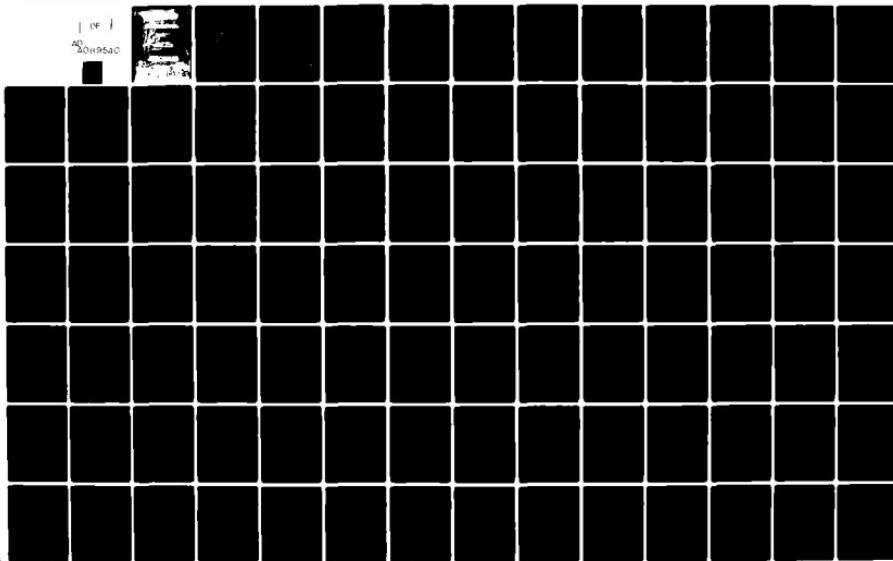


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TABLES OF QUEUE SIZE AND WAITING TIME DISTRIBUTIONS
FOR M/M/c, M/D/c, AND D/M/c QUEUEING SYSTEMS

BY

DAVID M. AVIS, LARRY A. EDISON, LAWRENCE D. FOSSETT,
FREDERICK S. HILLIER, MARTIN I. REIMAN, AND OLIVER S. YU

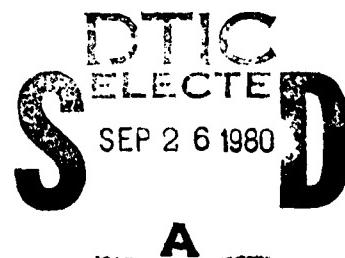
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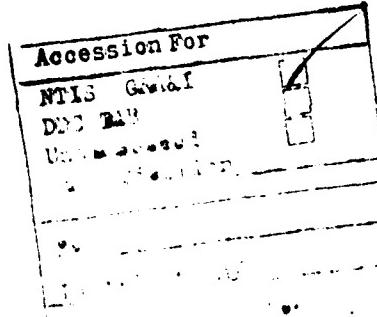
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Tables of Queue Size and Waiting Time Distributions
for M/M/c, M/D/c, and D/M/c Queueing Systems

by

David M. Avis, Larry A. Edison, Lawrence D. Fossett,
Frederick S. Hillier, Martin I. Reiman, and Oliver S. Yu

Abstract

This report provides a relatively comprehensive set of tables describing the steady-state behavior of M/M/c, M/D/c, and D/M/c queueing systems. The results given are the probability distribution of the number of customers in the system (including those being served) and of the waiting time of individual customers in the queue (excluding service time), as well as the expected number of customers in the queue (excluding those being served). The cases considered are $c = 1, 2, \dots, 10$ and $c = 15$ for all three classes of queueing systems, plus $c = 12$ for M/D/c and $c = 20, 25$ for M/M/c. For each case, the results are tabulated for 16 values of the traffic intensity ranging from 0.10 to 0.99. Also included for comparative purposes are the corresponding results for two related cases, $D/E_2/2$ and $M/E_2/2$. These data represent one portion of the output from a large-scale project of theoretical research, algorithmic development, and computational effort to generate the obtainable numerical results for various classes of GI/G/c systems.

1. Introduction

This report provides a relatively comprehensive set of tables describing the steady-state behavior of certain basic types of queueing systems. The main types considered are those classes of GI/G/c systems involving the various combinations of exponential and degenerate (constant) distributions for the interarrival times and service times, namely,

M/M/c (Poisson input, exponential service times, c servers),

M/D/c (Poisson input, constant service times, c servers),

D/M/c (constant interarrival times, exponential service times, c servers).

Also included for comparative purposes are two related cases, D/E₂/2 and M/E₂/2, where service times have an Erlang distribution whose shape parameter is 2.

The results given are the probability distribution of the number of customers in the system (including those being served) and of the waiting time of individual customers in the queue (excluding service time), as well as the expected number of customers in the queue (excluding those being served). The cases considered are $c = 1, 2, \dots, 10$ and $c = 15$ for all three classes of queueing systems, plus $c = 12$ for M/D/c and $c = 20, 25$ for M/M/c. For each case, the results are tabulated for 16 values of the traffic intensity ranging from 0.10 to 0.99.

These data represent one portion of the output from a large-scale project of theoretical research, algorithmic development, and computational effort to generate the obtainable numerical results for various classes of GI/G/c systems. Much of the project's output is to appear in a book, Queueing Theory and Graphs, by Hillier et al. (1981). However, space limitations prevented presenting all obtainable data there, so supplementary data are being given in the present report, as well as in a companion report by Avis et al. (1980) that considers $E_m/M/c$, $E_m/E_k/c$, and $E_m/D/c$ systems. In addition an earlier report by Hillier and Lo (1971) presented preliminary results from the project. For the sake of

completeness, there is some overlap between the tables in the book and in the present report (as well as the 1971 report). Furthermore, much of the tabulated data herein are summarized graphically in the book.

2. Notation

The following notation will be used hereafter:

c = number of servers (parallel service channels)

λ = mean arrival rate

μ = mean service rate per busy server

ρ = $\frac{\lambda}{c\mu}$ = traffic intensity

N = number of customers in the system (including those being served) in steady state (a random variable)

STATE I = the condition of having $N = I$

$P(N = I)$ = probability that $N = I$

$P(N \leq I)$ = $P(N \leq I)$

WT = waiting time in the queue (excluding service time) of individual customers in steady state (a random variable)

$P(WT \leq T) = P(WT \leq T)$, where the constant T is in units of expected service times

L_q = steady-state expected number of customers in the queue (excluding those being served)

The tables of L_q are designated "Expected Length of Queue". Those of $P(N \leq I)$ and $P(WT \leq T)$ are labeled "CDF of Number in System" and "CDF of Waiting Time in the Queue", where CDF stands for "Cumulative Distribution Function".

3. Organization of Tables

The tables are organized into five sections according to the type of queueing system involved: M/M/c, M/D/c, D/M/c, D/E₂/2, M/E₂/2. Each section begins with a table of L_q , followed by a pair of tables for each value of c considered (in ascending order). One table in each pair gives $P(N = I)$ and $P(N \leq I)$, whereas the other gives $P(WT \leq T)$.

4. Reference for Additional Information

See Hillier et al. (1981) for additional information on the general nature of queueing systems (Sec. 1.1), the specific nature of the queueing systems studied here (Sec. 1.2), relationships between the results given here and other measures of performance (Sec. 1.5), and guidelines for interpolating or extrapolating on ρ or c (Sec. 1.6). This companion book also briefly summarizes the computational methods being used here (Sec. 1.7), and gives other references for the details of these methods.

REFERENCES

Avis, David M., Larry A. Edison, Lawrence D. Fossett, Frederick S. Hillier, Martin I. Reiman, and Oliver S. Yu (1980), "Tables of Queue Size Distribution for Queueing Systems with Erlang Interarrival Times," Technical Report No. 91 (ONR Contract N00014-76-C-0418) and Technical Report No. 58 (NSF Grant ENG75-14847), Dept. of Operations Research, Stanford University.

Hillier, Frederick S., and Frederick D. Lo (1971), "Tables for Multiple-Server Queueing Systems Involving Erlang Distributions," Technical Report No. 31 (ONR Contract N00014-67-A-0112-0058) and Technical Report No. 14 (NSF Grant GK-2925), Dept. of Operations Research, Stanford University.

Hillier, Frederick S., and Oliver S. Yu, with David M. Avis, Lawrence D. Fossett, Frederick D. Lo, and Martin I. Reiman (1981), Queueing Tables and Graphs, Elsevier North-Holland, New York.

Tables for M/M/c Queueing Systems

The Model: Customers arrive randomly, i.e., according to a Poisson process
(exponential distribution of interarrival times);
service times have an exponential distribution;
c servers operate in parallel.

Notation: See Section 1.2.

Tables Included: L_q , $P(N = I)$ and $P(N \leq I)$, $P(WT \leq T)$ for $c = 1, 2, \dots,$
10, 15, 20, 25.

EXPECTED LENGTH OF QUEUE FOR II/M/C

C:	1	2	3	4	5
RHO					
0.10	0.11111E-01	0.20202E-02	0.41152E-03	0.88271E-04	0.19500E-04
0.20	0.50000E-01	0.16667E-01	0.61644E-02	0.23952E-02	0.95785E-03
0.30	0.12857E 00	0.59341E-01	0.30012E-01	0.15878E-01	0.86311E-02
0.40	0.26667E 00	0.15238E 00	0.94118E-01	0.60466E-01	0.39801E-01
0.50	0.50000E 00	0.33333E 00	0.23684E 00	0.17391E 00	0.13037E 00
0.55	0.67222E 00	0.47706E 00	0.35832E 00	0.27720E 00	0.21848E 00
0.60	0.90000E 00	0.67500E 00	0.53212E 00	0.43056E 00	0.35423E 00
0.65	0.12071E 01	0.95108E 00	0.78230E 00	0.65821E 00	0.56138E 00
0.70	0.16333E 01	0.13451E 01	0.11488E 01	0.10002E 01	0.88162E 00
0.75	0.22500E 01	0.19286E 01	0.17033E 01	0.15283E 01	0.13854E 01
0.80	0.32000E 01	0.28444E 01	0.25888E 01	0.23857E 01	0.22164E 01
0.85	0.48167E 01	0.44261E 01	0.41388E 01	0.39061E 01	0.37087E 01
0.90	0.81000E 01	0.76737E 01	0.73535E 01	0.70898E 01	0.68624E 01
0.95	0.18050E 02	0.17587E 02	0.17233E 02	0.16937E 02	0.15678E 02
0.98	0.48020E 02	0.47535E 02	0.47160E 02	0.46844E 02	0.46566E 02
0.99	0.98010E 02	0.97518E 02	0.97136E 02	0.96813E 02	0.96528E 02

C:	6	7	8	9	10
RHO					
0.10	0.43905E-05	0.10018E-05	0.23082E-06	0.53588E-07	0.12516E-07
0.20	0.39032E-03	0.16117E-03	0.67207E-04	0.28236E-04	0.11934E-04
0.30	0.47771E-02	0.26782E-02	0.15160E-02	0.86456E-03	0.49598E-03
0.40	0.26635E-01	0.18040E-01	0.12330E-01	0.84877E-02	0.58765E-02
0.50	0.99143E-01	0.76198E-01	0.59044E-01	0.46050E-01	0.36105E-01
0.55	0.17447E 00	0.14068E 00	0.11430E 00	0.93425E-01	0.76741E-01
0.60	0.29485E 00	0.24758E 00	0.20931E 00	0.17794E 00	0.15195E 00
0.65	0.48459E 00	0.42116E 00	0.36826E 00	0.32358E 00	0.28547E 00
0.70	0.78395E 00	0.70172E 00	0.63141E 00	0.57055E 00	0.51737E 00
0.75	0.12650E 01	0.11614E 01	0.10709E 01	0.99105E 00	0.91983E 00
0.80	0.20711E 01	0.19437E 01	0.18306E 01	0.17289E 01	0.16367E 01
0.85	0.35363E 01	0.33829E 01	0.32446E 01	0.31184E 01	0.30025E 01
0.90	0.66611E 01	0.64796E 01	0.63138E 01	0.61608E 01	0.60186E 01
0.95	0.15446E 02	0.16235E 02	0.16039E 02	0.15857E 02	0.15686E 02
0.98	0.46314E 02	0.46084E 02	0.45870E 02	0.45669E 02	0.45480E 02
0.99	0.96270E 02	0.96033E 02	0.95812E 02	0.95606E 02	0.95410E 02

C:	15	20	25
RHO			
0.10	0.92245E-11	0.72011E-14	0.58027E-17
0.20	0.17072E-06	0.25867E-08	0.40456E-10
0.30	0.32680E-04	0.22806E-05	0.16429E-06
0.40	0.99020E-03	0.17663E-03	0.32521E-04
0.50	0.11292E-01	0.37311E-02	0.12718E-02
0.55	0.30204E-01	0.12532E-01	0.53599E-02
0.60	0.72351E-01	0.36202E-01	0.18651E-01
0.65	0.15925E 00	0.92966E-01	0.55775E-01
0.70	0.32935E 00	0.21831E 00	0.14833E 00
0.75	0.65397E 00	0.48129E 00	0.36189E 00
0.80	0.12768E 01	0.10243E 01	0.83641E 00
0.85	0.25326E 01	0.21820E 01	0.19053E 01
0.90	0.54237E 01	0.49569E 01	0.45713E 01
0.95	0.14952E 02	0.14353E 02	0.13839E 02
0.98	0.44656E 02	0.43970E 02	0.43370E 02
0.99	0.94556E 02	0.93839E 02	0.93210E 02

M/M/1 CDF OF NUMBER IN SYSTEM

STATE I	P(I=1)	P(I<1)	STATE I	P(I=1)	P(I<1)	STATE I	P(I=1)	P(I<1)	STATE I	P(I=1)	P(I<1)	STATE I	P(I=1)	P(I<1)	STATE I	P(I=1)	P(I<1)	STATE I	P(I=1)	P(I<1)
BRO=1.0																				
0 .9999999	0.9999999	0	3600000E-04	1.0000000	0	0	2500000	0.2500000	18	.995889E-02	0.9986131	1	0	200000P-01	0.320000	56	.665198E-02	0.683059		
1 .9999999E-01	0.9999999	0	3600000E-04	1.0000000	0	0	187500	0.187500	15	.1340087E-02	0.999577	1	1 .9999999E-01	0.3199630	56	.619688E-02	0.696373			
2 .9999999E-02	0.9999999	0	3600000E-04	1.0000000	0	0	180625	0.180625	15	.2505658E-02	0.9992461	1	2 .192080P-01	0.3058840	60	.595106E-02	0.708396			
3 .9999999E-03	0.9999999	0	3600000E-04	1.0000000	0	0	105665	0.105665	17	.187924E-02	0.9993862	1	3 .188238P-01	0.3077612	62	.571540E-02	0.719966			
4 .9999999E-04	0.9999999	0	3600000E-04	1.0000000	0	0	791016P-0	0.791016	16	.140674E-02	0.9994362	1	4 .160674P-01	0.3096460	64	.549078E-02	0.711036			
5 .9999999E-05	0.9999999	0	3600000E-04	1.0000000	0	0	539536	0.539536	19	.127027E-02	0.9994826	1	5 .127027P-01	0.3115134	66	.527103E-02	0.724056			
6 .9999999E-06	0.9999999	0	3600000E-04	1.0000000	0	0	348465E-01	0.348465	20	.207403E-02	0.9976212	1	6 .173625P-01	0.1849217	70	.662458E-02	0.761718			
7 .9999999E-07	0.9999999	0	3600000E-04	1.0000000	0	0	331710P-01	0.331710	21	.198602E-02	0.9982112	1	7 .170153P-01	0.1862927	70	.639527E-02	0.7686310			
8 .9999999E-08	0.9999999	0	3600000E-04	1.0000000	0	0	250228E-02	0.250228	22	.164952E-02	0.9986624	1	8 .166750P-01	0.182927	40	.397298E-02	0.805322			
9 .9999999E-09	0.9999999	0	3600000E-04	1.0000000	0	0	187712P-01	0.187712	23	.133446E-02	0.9989952	1	9 .163415P-01	0.189249	85	.359126E-02	0.828026			
10 .9999999E-10	0.9999999	0	3600000E-04	1.0000000	0	0	107786E-01	0.107786	24	.250848E-02	0.9992471	1	10 .160164P-01	0.1715281	93	.329621E-02	0.840931			
11 .9999999E-11	0.9999999	0	3600000E-04	1.0000000	0	0	105588P-01	0.105588	25	.180316E-02	0.9994351	1	12 .159223E-01	0.174266	93	.285624E-02	0.856320			
12 .9999999E-12	0.9999999	0	3600000E-04	1.0000000	0	0	781905P-02	0.781905	26	.181102E-02	0.9995576	1	13 .150727P-01	0.2618111	105	.219751E-02	0.845217			
13 .9999999E-13	0.9999999	0	3600000E-04	1.0000000	0	0	559332E-02	0.559332	27	.154718E-02	0.9998661	1	14 .157718P-01	0.276222	110	.21672E-02	0.851804			
14 .9999999E-14	0.9999999	0	3600000E-04	1.0000000	0	0	426465E-01	0.426465	28	.150226E-02	0.9999676	1	15 .140740P-01	0.290676	115	.195897E-02	0.904007			
15 .9999999E-15	0.9999999	0	3600000E-04	1.0000000	0	0	331710P-01	0.331710	29	.133446E-02	0.9999957	1	16 .141665P-01	0.304566	120	.177076E-02	0.911229			
16 .9999999E-16	0.9999999	0	3600000E-04	1.0000000	0	0	250228E-02	0.250228	30	.133027P-01	0.311767	125	.160628E-02	0.921566						
17 .9999999E-17	0.9999999	0	3600000E-04	1.0000000	0	0	187712P-01	0.187712	31	.133213E-02	0.9999451	1	18 .136247P-01	0.3132132	130	.144684E-02	0.929101			
18 .9999999E-18	0.9999999	0	3600000E-04	1.0000000	0	0	107786E-01	0.107786	32	.133213E-02	0.9999845	1	19 .135132P-01	0.3132132	135	.135132E-02	0.9351612			
19 .9999999E-19	0.9999999	0	3600000E-04	1.0000000	0	0	105588E-01	0.105588	33	.133213E-02	0.9999984	1	20 .135132P-01	0.3132132	135	.135132E-02	0.9351612			
20 .9999999E-20	0.9999999	0	3600000E-04	1.0000000	0	0	426465E-01	0.426465	34	.133213E-02	0.9999991	1	21 .132827E-01	0.171652	145	.104587E-02	0.947515			
21 .9999999E-21	0.9999999	0	3600000E-04	1.0000000	0	0	331710P-01	0.331710	35	.133213E-02	0.9999991	1	22 .131665P-01	0.184219	150	.104592E-02	0.9526465			
22 .9999999E-22	0.9999999	0	3600000E-04	1.0000000	0	0	250228E-02	0.250228	36	.133213E-02	0.9999991	1	23 .123151P-01	0.165615	155	.073116E-02	0.957213			
23 .9999999E-23	0.9999999	0	3600000E-04	1.0000000	0	0	187712P-01	0.187712	37	.133213E-02	0.9999991	1	24 .120691P-01	0.186616	160	.789227E-03	0.961323			
24 .9999999E-24	0.9999999	0	3600000E-04	1.0000000	0	0	107786E-01	0.107786	38	.133213E-02	0.9999991	1	25 .118729P-01	0.2420912	165	.713399E-03	0.965339			
25 .9999999E-25	0.9999999	0	3600000E-04	1.0000000	0	0	105588E-01	0.105588	39	.133213E-02	0.9999991	1	26 .115971P-01	0.1812232	170	.649556E-03	0.968367			
26 .9999999E-26	0.9999999	0	3600000E-04	1.0000000	0	0	426465E-01	0.426465	40	.133213E-02	0.9999991	1	27 .115971P-01	0.1812232	170	.649556E-03	0.968367			
27 .9999999E-27	0.9999999	0	3600000E-04	1.0000000	0	0	331710P-01	0.331710	41	.133213E-02	0.9999991	1	28 .115971P-01	0.1812232	170	.649556E-03	0.968367			
28 .9999999E-28	0.9999999	0	3600000E-04	1.0000000	0	0	250228E-02	0.250228	42	.133213E-02	0.9999991	1	29 .115971P-01	0.1812232	170	.649556E-03	0.968367			
29 .9999999E-29	0.9999999	0	3600000E-04	1.0000000	0	0	187712P-01	0.187712	43	.133213E-02	0.9999991	1	30 .115971P-01	0.1812232	170	.649556E-03	0.968367			
30 .9999999E-30	0.9999999	0	3600000E-04	1.0000000	0	0	107786E-01	0.107786	44	.133213E-02	0.9999991	1	31 .106515P-01	0.244551	175	.476271E-03	0.976657			
31 .9999999E-31	0.9999999	0	3600000E-04	1.0000000	0	0	105588E-01	0.105588	45	.133213E-02	0.9999991	1	32 .104777P-01	0.244551	175	.476271E-03	0.976657			
32 .9999999E-32	0.9999999	0	3600000E-04	1.0000000	0	0	426465E-01	0.426465	46	.133213E-02	0.9999991	1	33 .102681P-01	0.244551	175	.476271E-03	0.976657			
33 .9999999E-33	0.9999999	0	3600000E-04	1.0000000	0	0	331710P-01	0.331710	47	.133213E-02	0.9999991	1	34 .100679P-01	0.244551	175	.476271E-03	0.976657			
34 .9999999E-34	0.9999999	0	3600000E-04	1.0000000	0	0	250228E-02	0.250228	48	.133213E-02	0.9999991	1	35 .100679P-01	0.244551	175	.476271E-03	0.976657			
36 .9999999E-35	0.9999999	0	3600000E-04	1.0000000	0	0	187712P-01	0.187712	49	.133213E-02	0.9999991	1	37 .100679P-01	0.244551	175	.476271E-03	0.976657			
37 .9999999E-36	0.9999999	0	3600000E-04	1.0000000	0	0	107786E-01	0.107786	50	.133213E-02	0.9999991	1	38 .100679P-01	0.244551	175	.476271E-03	0.976657			
38 .9999999E-37	0.9999999	0	3600000E-04	1.0000000	0	0	105588E-01	0.105588	51	.133213E-02	0.9999991	1	39 .100679P-01	0.244551	175	.476271E-03	0.976657			
39 .9999999E-38	0.9999999	0	3600000E-04	1.0000000	0	0	426465E-01	0.426465	52	.133213E-02	0.9999991	1	40 .100679P-01	0.244551	175	.476271E-03	0.976657			
40 .9999999E-39	0.9999999	0	3600000E-04	1.0000000	0	0	331710P-01	0.331710	53	.133213E-02	0.9999991	1	41 .100679P-01	0.244551	175	.476271E-03	0.976657			
41 .9999999E-40	0.9999999	0	3600000E-04	1.0000000	0	0	250228E-02	0.250228	54	.133213E-02	0.9999991	1	42 .100679P-01	0.244551	175	.476271E-03	0.976657			
42 .9999999E-41	0.9999999	0	3600000E-04	1.0000000	0	0	187712P-01	0.187712	55	.133213E-02	0.9999991	1	43 .100679P-01	0.244551	175	.476271E-03	0.976657			
43 .9999999E-42	0.9999999	0	3600000E-04	1.0000000	0	0	107786P-01	0.107786	56	.133213E-02	0.9999991	1	44 .100679P-01	0.244551	175	.476271E-03	0.976657			
44 .9999999E-43	0.9999999	0	3600000E-04	1.0000000	0	0	105588P-01	0.105588	57	.133213E-02	0.9999991	1	45 .100679P-01	0.244551	175	.476271E-03	0.976657			
45 .9999999E-44	0.9999999	0	3600000E-04	1.0000000	0	0	426465E-01	0.426465	58	.133213E-02	0.9999991	1	46 .100679P-01	0.244551	175	.476271E-03	0.976657			
46 .9999999E-45	0.9999999	0	3600000E-04	1.0000000	0	0	331710P-01	0.331710	59	.133213E-02	0.9999991	1	47 .100679P-01	0.244551	175	.476271E-03	0.976657			
47 .9999999E-46	0.9999999	0	3600000E-04	1.0000000	0	0	250228E-02	0.250228	60	.133213E-02	0.9999991	1	48 .100679P-01	0.244551	175	.476271E-03	0.976657			
48 .9999999E-47	0.9999999																			

M/M/1 COF OF WAITING TIME IN THE QUEUE

TYPE	PERCENT	TIME	PERCENT	TYPE	PERCENT	TIME	PERCENT	TYPE	PERCENT	TIME	PERCENT	TYPE	PERCENT	TIME	PERCENT
RHO=1.0															
C-0	0.000000	1.0	0.998010	C-0	0.000000	2.0	0.771972	C-0	0.000000	1.0	0.991019	C-0	0.000000	0.0	0.992451
C-1	0.000100	2.0	0.993470	C-2	0.000100	3.0	0.857062	C-3	0.000100	1.0	0.971971	C-4	0.000100	0.0	0.992451
C-5	0.000200	3.0	0.993471	C-6	0.000200	4.0	0.848062	C-7	0.000200	1.0	0.971971	C-8	0.000200	0.0	0.992451
C-9	0.000300	3.0	0.993270	C-10	0.000300	4.0	0.848061	C-11	0.000300	1.0	0.971971	C-12	0.000300	0.0	0.992451
C-13	0.000400	3.0	0.993271	C-14	0.000400	4.0	0.848060	C-15	0.000400	1.0	0.971971	C-16	0.000400	0.0	0.992451
C-17	0.000500	3.0	0.993272	C-18	0.000500	4.0	0.848059	C-19	0.000500	1.0	0.971971	C-20	0.000500	0.0	0.992451
C-21	0.000600	3.0	0.993273	C-22	0.000600	4.0	0.848058	C-23	0.000600	1.0	0.971971	C-24	0.000600	0.0	0.992451
C-25	0.000700	3.0	0.993274	C-26	0.000700	4.0	0.848057	C-27	0.000700	1.0	0.971971	C-28	0.000700	0.0	0.992451
C-29	0.000800	3.0	0.993275	C-30	0.000800	4.0	0.848056	C-31	0.000800	1.0	0.971971	C-32	0.000800	0.0	0.992451
C-33	0.000900	3.0	0.993276	C-34	0.000900	4.0	0.848055	C-35	0.000900	1.0	0.971971	C-36	0.000900	0.0	0.992451
C-37	0.001000	3.0	0.993277	C-38	0.001000	4.0	0.848054	C-39	0.001000	1.0	0.971971	C-40	0.001000	0.0	0.992451
C-41	0.001100	3.0	0.993278	C-42	0.001100	4.0	0.848053	C-43	0.001100	1.0	0.971971	C-44	0.001100	0.0	0.992451
C-45	0.001200	3.0	0.993279	C-46	0.001200	4.0	0.848052	C-47	0.001200	1.0	0.971971	C-48	0.001200	0.0	0.992451
C-49	0.001300	3.0	0.993280	C-50	0.001300	4.0	0.848051	C-51	0.001300	1.0	0.971971	C-52	0.001300	0.0	0.992451
C-53	0.001400	3.0	0.993281	C-54	0.001400	4.0	0.848050	C-55	0.001400	1.0	0.971971	C-56	0.001400	0.0	0.992451
C-57	0.001500	3.0	0.993282	C-58	0.001500	4.0	0.848049	C-59	0.001500	1.0	0.971971	C-60	0.001500	0.0	0.992451
C-61	0.001600	3.0	0.993283	C-62	0.001600	4.0	0.848048	C-63	0.001600	1.0	0.971971	C-64	0.001600	0.0	0.992451
C-65	0.001700	3.0	0.993284	C-66	0.001700	4.0	0.848047	C-67	0.001700	1.0	0.971971	C-68	0.001700	0.0	0.992451
C-69	0.001800	3.0	0.993285	C-70	0.001800	4.0	0.848046	C-71	0.001800	1.0	0.971971	C-72	0.001800	0.0	0.992451
C-73	0.001900	3.0	0.993286	C-74	0.001900	4.0	0.848045	C-75	0.001900	1.0	0.971971	C-76	0.001900	0.0	0.992451
C-77	0.002000	3.0	0.993287	C-78	0.002000	4.0	0.848044	C-79	0.002000	1.0	0.971971	C-80	0.002000	0.0	0.992451
C-81	0.002100	3.0	0.993288	C-82	0.002100	4.0	0.848043	C-83	0.002100	1.0	0.971971	C-84	0.002100	0.0	0.992451
C-85	0.002200	3.0	0.993289	C-86	0.002200	4.0	0.848042	C-87	0.002200	1.0	0.971971	C-88	0.002200	0.0	0.992451
C-89	0.002300	3.0	0.993290	C-90	0.002300	4.0	0.848041	C-91	0.002300	1.0	0.971971	C-92	0.002300	0.0	0.992451
C-93	0.002400	3.0	0.993291	C-94	0.002400	4.0	0.848040	C-95	0.002400	1.0	0.971971	C-96	0.002400	0.0	0.992451
C-97	0.002500	3.0	0.993292	C-98	0.002500	4.0	0.848039	C-99	0.002500	1.0	0.971971	C-100	0.002500	0.0	0.992451
C-101	0.002600	3.0	0.993293	C-102	0.002600	4.0	0.848038	C-103	0.002600	1.0	0.971971	C-104	0.002600	0.0	0.992451
C-105	0.002700	3.0	0.993294	C-106	0.002700	4.0	0.848037	C-107	0.002700	1.0	0.971971	C-108	0.002700	0.0	0.992451
C-109	0.002800	3.0	0.993295	C-110	0.002800	4.0	0.848036	C-111	0.002800	1.0	0.971971	C-112	0.002800	0.0	0.992451
C-113	0.002900	3.0	0.993296	C-114	0.002900	4.0	0.848035	C-115	0.002900	1.0	0.971971	C-116	0.002900	0.0	0.992451
C-117	0.003000	3.0	0.993297	C-118	0.003000	4.0	0.848034	C-119	0.003000	1.0	0.971971	C-120	0.003000	0.0	0.992451
C-121	0.003100	3.0	0.993298	C-122	0.003100	4.0	0.848033	C-123	0.003100	1.0	0.971971	C-124	0.003100	0.0	0.992451
C-125	0.003200	3.0	0.993299	C-126	0.003200	4.0	0.848032	C-127	0.003200	1.0	0.971971	C-128	0.003200	0.0	0.992451
C-129	0.003300	3.0	0.993300	C-130	0.003300	4.0	0.848031	C-131	0.003300	1.0	0.971971	C-132	0.003300	0.0	0.992451
C-133	0.003400	3.0	0.993301	C-134	0.003400	4.0	0.848030	C-135	0.003400	1.0	0.971971	C-136	0.003400	0.0	0.992451
C-137	0.003500	3.0	0.993302	C-138	0.003500	4.0	0.848029	C-139	0.003500	1.0	0.971971	C-140	0.003500	0.0	0.992451
C-141	0.003600	3.0	0.993303	C-142	0.003600	4.0	0.848028	C-143	0.003600	1.0	0.971971	C-144	0.003600	0.0	0.992451
C-145	0.003700	3.0	0.993304	C-146	0.003700	4.0	0.848027	C-147	0.003700	1.0	0.971971	C-148	0.003700	0.0	0.992451
C-149	0.003800	3.0	0.993305	C-150	0.003800	4.0	0.848026	C-151	0.003800	1.0	0.971971	C-152	0.003800	0.0	0.992451
C-153	0.003900	3.0	0.993306	C-154	0.003900	4.0	0.848025	C-155	0.003900	1.0	0.971971	C-156	0.003900	0.0	0.992451
C-157	0.004000	3.0	0.993307	C-158	0.004000	4.0	0.848024	C-159	0.004000	1.0	0.971971	C-160	0.004000	0.0	0.992451
C-161	0.004100	3.0	0.993308	C-162	0.004100	4.0	0.848023	C-163	0.004100	1.0	0.971971	C-164	0.004100	0.0	0.992451
C-165	0.004200	3.0	0.993309	C-166	0.004200	4.0	0.848022	C-167	0.004200	1.0	0.971971	C-168	0.004200	0.0	0.992451
C-169	0.004300	3.0	0.993310	C-170	0.004300	4.0	0.848021	C-171	0.004300	1.0	0.971971	C-172	0.004300	0.0	0.992451
C-173	0.004400	3.0	0.993311	C-174	0.004400	4.0	0.848020	C-175	0.004400	1.0	0.971971	C-176	0.004400	0.0	0.992451
C-177	0.004500	3.0	0.993312	C-178	0.004500	4.0	0.848019	C-179	0.004500	1.0	0.971971	C-180	0.004500	0.0	0.992451
C-181	0.004600	3.0	0.993313	C-182	0.004600	4.0	0.848018	C-183	0.004600	1.0	0.971971	C-184	0.004600	0.0	0.992451
C-185	0.004700	3.0	0.993314	C-186	0.004700	4.0	0.848017	C-187	0.004700	1.0	0.971971	C-188	0.004700	0.0	0.992451
C-189	0.004800	3.0	0.993315	C-190	0.004800	4.0	0.848016	C-191	0.004800	1.0	0.971971	C-192	0.004800	0.0	0.992451
C-193	0.004900	3.0	0.993316	C-194	0.004900	4.0	0.848015	C-195	0.004900	1.0	0.971971	C-196	0.004900	0.0	0.992451
C-197	0.005000	3.0	0.993317	C-198	0.005000	4.0	0.848014	C-199	0.005000	1.0	0.971971	C-200	0.005000	0.0	0.992451
C-201	0.005100	3.0	0.993318	C-202	0.005100	4.0	0.848013	C-203	0.005100	1.0	0.971971	C-204	0.005100	0.0	0.992451
C-205	0.005200	3.0	0.993319	C-206	0.005200	4.0	0.848012	C-207	0.005200	1.0	0.971971	C-208	0.005200	0.0	0.992451
C-209	0.005300	3.0	0.993320	C-210	0.005300	4.0	0.848011	C-211	0.005300	1.0	0.971971	C-212	0.005300	0.0	0.992451
C-213	0.005400	3.0	0.993321	C-214	0.005400	4.0	0.848010	C-215	0.005400	1.0	0.971971	C-216	0.005400	0.0	0.992451
C-217	0.005500	3.0	0.993322	C-218	0.005500	4.0	0.848009	C-219	0.005500	1.0	0.971971	C-220	0.005500	0.0	0.992451
C-221	0.005600	3.0	0.993323	C-222	0.005600	4.0	0.848008	C-223	0.005600	1.0	0.971971	C-224	0.005600	0.0	0.992451
C-225	0.005700	3.0	0.993324	C-226	0.005700	4.0	0.848007	C-227	0.005700	1.0	0.971971	C-228	0.005700	0.0	0.992451
C-229	0.005800	3.0	0.993325	C-230	0.005800	4.0	0.848006	C-231	0.005800	1.0	0.971971	C-232	0.005800	0.0	0.992451
C-233	0.005900	3.0	0.993326	C-234	0.005900	4.0	0.848005	C-235	0.005900	1.0	0.971971	C-236	0.005900	0.0	0.992451
C-237	0.006000	3.0	0.993327	C-238	0.006000	4.0	0.848004	C-239	0.006000	1.0	0.971971	C-240	0.006000	0.0	0.992451
C-241	0.006100</														

M/M/12 CDF OF NUMBER IN SYSTEM

STATE	T	P(B=1)	P(B<=1)	STATE	T	P(B=1)	P(B<=1)	STATE	T	P(B=1)	P(B<=1)	STATE	T	P(B=1)	P(B<=1)	STATE	T	P(B=1)	P(B<=1)	STATE	T	P(B=1)	P(B<=1)
BHO=1.0																							
0	0.010102	0.814162	0.9	16.36368E-02	0.999999	1	0.182857	0.162057	16	58.90048E-02	0.999972	2	0.1010108E-01	0.010121	55	65.17118E-02	0.690660	3	0.1779005E-01	0.029899	59	62.59018E-02	0.693306
1	-16.36368E-02	0.999999	0	16.36368E-02	0.999999	2	-1.180716	0.117057	15	38.18178E-02	0.999956	3	-0.1779005E-01	0.029899	58	-0.0111178E-02	0.705493	4	-0.1779005E-01	0.029899	57	-0.0111178E-02	0.723617
3	-16.36368E-02	0.999999	0	16.36368E-02	0.999999	4	-1.20516	0.118381	17	51.17737E-02	0.999969	5	-0.1801045E-01	0.029899	62	-0.0085258E-02	0.723617	6	-0.1801045E-01	0.029899	61	-0.0085258E-02	0.723617
5	-16.36368E-02	0.999999	0	16.36368E-02	0.999999	6	-0.9801045E-01	0.728795	15	16.10778E-02	0.995168	7	-0.1811379E-01	0.086364	68	-0.0085258E-02	0.723617	8	-0.1811379E-01	0.086364	67	-0.0085258E-02	0.723617
7	-16.36368E-02	0.999999	0	16.36368E-02	0.999999	8	-0.985139E-01	0.708745	16	12.00080E-02	0.996376	9	-0.1826109E-01	0.1052110	69	-0.020955E-02	0.730075	10	-0.1826109E-01	0.1052110	68	-0.020955E-02	0.730075
10	-16.36368E-02	0.999999	0	16.36368E-02	0.999999	11	-0.985139E-01	0.708745	17	12.00080E-02	0.996376	12	-0.1826109E-01	0.1052110	69	-0.020955E-02	0.730075	13	-0.1826109E-01	0.1052110	68	-0.020955E-02	0.730075
12	-16.36368E-02	0.999999	0	16.36368E-02	0.999999	13	-0.1877048E-01	0.747855	21	47.95458E-02	0.997761	14	-0.1753799E-01	0.1036443	70	-0.0111572E-02	0.759331	15	-0.1753799E-01	0.1036443	69	-0.0111572E-02	0.759331
15	-16.36368E-02	0.999999	0	16.36368E-02	0.999999	16	-0.2145248E-01	0.745649	22	50.95598E-02	0.998871	17	-0.1717716E-01	0.1057830	75	-0.0039678E-02	0.782254	18	-0.1717716E-01	0.1057830	74	-0.0039678E-02	0.782254
18	-0.2145248E-01	0.745649	0	0.2145248E-01	0.999999	19	-0.1608986E-01	0.951731	20	28.04800E-02	0.999895	21	-0.1604556E-01	0.1051840	85	-0.0039678E-02	0.803755	22	-0.1604556E-01	0.1051840	84	-0.0039678E-02	0.803755
22	-0.1608986E-01	0.951731	0	0.1608986E-01	0.999999	23	-0.1204728E-01	0.961799	25	21.50126E-02	0.999355	26	-0.1517858E-01	0.207352	90	-0.0278005E-02	0.849561	27	-0.1517858E-01	0.207352	89	-0.0278005E-02	0.849561
27	-0.1204728E-01	0.961799	0	0.1204728E-01	0.999999	28	-0.1312593E-01	0.972049	29	18.12598E-02	0.995915	30	-0.1592529E-01	0.221209	95	-0.0261968E-02	0.856761	31	-0.1592529E-01	0.221209	94	-0.0261968E-02	0.856761
31	-0.1312593E-01	0.972049	0	0.1312593E-01	0.999999	32	-0.1677048E-01	0.978617	33	10.5102358E-02	0.999967	34	-0.1522518E-01	0.2531770	105	-0.0217778E-02	0.881330	35	-0.1522518E-01	0.2531770	104	-0.0217778E-02	0.881330
35	-0.1677048E-01	0.978617	0	0.1677048E-01	0.999999	36	-0.1849208E-01	0.246955	37	10.190108E-02	0.999999	38	-0.1801209E-01	0.2419173	115	-0.0170768E-02	0.903037	39	-0.1801209E-01	0.2419173	114	-0.0170768E-02	0.903037
39	-0.1849208E-01	0.246955	0	0.1849208E-01	0.999999	40	-0.1877776E-01	0.2187675	41	18.12091E-02	0.999999	42	-0.1779359E-01	0.2117684	125	-0.0161790E-02	0.915254	43	-0.1779359E-01	0.2117684	124	-0.0161790E-02	0.915254
43	-0.1877776E-01	0.2187675	0	0.1877776E-01	0.999999	44	-0.1777710E-01	0.2117684	45	18.12091E-02	0.999999	46	-0.1779359E-01	0.2117684	126	-0.0161790E-02	0.915254	47	-0.1779359E-01	0.2117684	125	-0.0161790E-02	0.915254
47	-0.1777710E-01	0.2117684	0	0.1777710E-01	0.999999	48	-0.1779359E-01	0.2117684	49	18.12091E-02	0.999999	50	-0.1779359E-01	0.2117684	127	-0.0161790E-02	0.915254	51	-0.1779359E-01	0.2117684	126	-0.0161790E-02	0.915254
51	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	52	-0.1779359E-01	0.2117684	53	18.12091E-02	0.999999	54	-0.1779359E-01	0.2117684	128	-0.0161790E-02	0.915254	55	-0.1779359E-01	0.2117684	127	-0.0161790E-02	0.915254
55	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	56	-0.1779359E-01	0.2117684	57	18.12091E-02	0.999999	58	-0.1779359E-01	0.2117684	129	-0.0161790E-02	0.915254	59	-0.1779359E-01	0.2117684	128	-0.0161790E-02	0.915254
59	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	60	-0.1779359E-01	0.2117684	61	18.12091E-02	0.999999	62	-0.1779359E-01	0.2117684	130	-0.0161790E-02	0.915254	63	-0.1779359E-01	0.2117684	129	-0.0161790E-02	0.915254
63	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	64	-0.1779359E-01	0.2117684	65	18.12091E-02	0.999999	66	-0.1779359E-01	0.2117684	131	-0.0161790E-02	0.915254	67	-0.1779359E-01	0.2117684	130	-0.0161790E-02	0.915254
67	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	68	-0.1779359E-01	0.2117684	69	18.12091E-02	0.999999	70	-0.1779359E-01	0.2117684	132	-0.0161790E-02	0.915254	71	-0.1779359E-01	0.2117684	131	-0.0161790E-02	0.915254
71	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	72	-0.1779359E-01	0.2117684	73	18.12091E-02	0.999999	74	-0.1779359E-01	0.2117684	133	-0.0161790E-02	0.915254	75	-0.1779359E-01	0.2117684	132	-0.0161790E-02	0.915254
75	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	76	-0.1779359E-01	0.2117684	77	18.12091E-02	0.999999	78	-0.1779359E-01	0.2117684	134	-0.0161790E-02	0.915254	79	-0.1779359E-01	0.2117684	133	-0.0161790E-02	0.915254
79	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	80	-0.1779359E-01	0.2117684	81	18.12091E-02	0.999999	82	-0.1779359E-01	0.2117684	135	-0.0161790E-02	0.915254	83	-0.1779359E-01	0.2117684	134	-0.0161790E-02	0.915254
83	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	84	-0.1779359E-01	0.2117684	85	18.12091E-02	0.999999	86	-0.1779359E-01	0.2117684	136	-0.0161790E-02	0.915254	87	-0.1779359E-01	0.2117684	135	-0.0161790E-02	0.915254
87	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	88	-0.1779359E-01	0.2117684	89	18.12091E-02	0.999999	90	-0.1779359E-01	0.2117684	137	-0.0161790E-02	0.915254	91	-0.1779359E-01	0.2117684	136	-0.0161790E-02	0.915254
91	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	92	-0.1779359E-01	0.2117684	93	18.12091E-02	0.999999	94	-0.1779359E-01	0.2117684	138	-0.0161790E-02	0.915254	95	-0.1779359E-01	0.2117684	137	-0.0161790E-02	0.915254
95	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	96	-0.1779359E-01	0.2117684	97	18.12091E-02	0.999999	98	-0.1779359E-01	0.2117684	139	-0.0161790E-02	0.915254	99	-0.1779359E-01	0.2117684	138	-0.0161790E-02	0.915254
99	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	100	-0.1779359E-01	0.2117684	101	18.12091E-02	0.999999	102	-0.1779359E-01	0.2117684	140	-0.0161790E-02	0.915254	103	-0.1779359E-01	0.2117684	139	-0.0161790E-02	0.915254
103	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	104	-0.1779359E-01	0.2117684	105	18.12091E-02	0.999999	106	-0.1779359E-01	0.2117684	141	-0.0161790E-02	0.915254	107	-0.1779359E-01	0.2117684	140	-0.0161790E-02	0.915254
107	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	108	-0.1779359E-01	0.2117684	109	18.12091E-02	0.999999	110	-0.1779359E-01	0.2117684	142	-0.0161790E-02	0.915254	111	-0.1779359E-01	0.2117684	141	-0.0161790E-02	0.915254
111	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	112	-0.1779359E-01	0.2117684	113	18.12091E-02	0.999999	114	-0.1779359E-01	0.2117684	143	-0.0161790E-02	0.915254	115	-0.1779359E-01	0.2117684	142	-0.0161790E-02	0.915254
115	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	116	-0.1779359E-01	0.2117684	117	18.12091E-02	0.999999	118	-0.1779359E-01	0.2117684	144	-0.0161790E-02	0.915254	119	-0.1779359E-01	0.2117684	143	-0.0161790E-02	0.915254
119	-0.1779359E-01	0.2117684	0	0.1779359E-01	0.999999	120	-0.1779359E-01	0.2117684	121	18.12091E-02	0.999999	122	-0.1779359E-01	0.2117684	145	-0.0161790E-02	0.915254	123					

M/M/2 CDF OF WAITING TIME IN THE QUEUE

M/M/3 CDF OF NUMBER IN SYSTEM

STATE	E	P(H=1)	P(HC=1)	P(H=0)	P(HC=0)	STATE	E	P(H=1)	P(HC=1)	STATE	E	P(H=1)	P(HC=1)	STATE	E	P(H=1)	P(HC=1)	STATE	E	P(H=1)	P(HC=1)
BHO+, 10																				BHO+, 75	
0	-30.0101	0.700761	6	-33333338-05	0.999999	0	-707664E-01	0.076766	10	-5999628-02	0.942016	0	-459883E-02	0.006455	10	-65.697672-02	0.676711	0	-459883E-02	0.006455	BHO+, 90
1	-22.2222	0.700761	6	-33333338-06	0.999999	1	-166222	0.282970	15	-0067628-02	0.986510	1	-173071E-01	0.0176747	15	-61.3261E-02	0.585951	1	-173071E-01	0.0176747	BHO+, 90
2	-22.2222	0.700761	6	-33333338-07	0.999999	2	-166222	0.282970	16	-3372082-02	0.986510	2	-166209E-01	0.0176747	16	-58.0856E-02	0.571160	2	-166209E-01	0.0176747	BHO+, 90
3	-33333339-02	0.999999	3	-33333338-03	0.999999	3	-166222	0.282970	17	-3529462-02	0.986510	3	-166209E-01	0.0176747	17	-54.1030E-02	0.572956	3	-166209E-01	0.0176747	BHO+, 90
4	-33333339-01	0.999999	4	-33333338-09	0.999999	4	-166222	0.282970	18	-1822482-02	0.986510	4	-166209E-01	0.0176747	18	-51.1773E-02	0.573957	4	-166209E-01	0.0176747	BHO+, 90
5	-33333339-00	0.999999	5	-33333338-10	0.999999	5	-798800E-01	0.760576	19	-1822482-02	0.986510	5	-166209E-01	0.0176747	19	-48.2454E-02	0.574958	5	-166209E-01	0.0176747	BHO+, 90
BHO+, 20																				BHO+, 75	
0	-30.0101	0.587675	7	-15151148-08	0.999999	0	-252421E-01	0.929212	7	-85.0101E-03	0.986660	0	-171548E-01	0.016747	7	-50.4665E-02	0.576154	0	-171548E-01	0.016747	BHO+, 90
1	-32.3636	0.676712	7	-63.1232E-08	0.999999	1	-181001	0.282970	8	-3375908-02	0.986510	1	-167056E-01	0.0176747	8	-47.1656E-02	0.572053	1	-167056E-01	0.0176747	BHO+, 90
2	-20.061012-01	0.975162	8	-9.2620E-08	0.999999	2	-181001	0.282970	9	-2572972-02	0.986510	2	-166209E-01	0.0176747	9	-44.2357E-02	0.573957	2	-166209E-01	0.0176747	BHO+, 90
3	-19.172620	0.995048	10	-25.2693E-08	0.999999	3	-166222	0.282970	10	-10.0098E-02	0.986510	3	-166209E-01	0.0176747	10	-41.3098E-02	0.574958	3	-166209E-01	0.0176747	BHO+, 90
4	-30.052120-02	0.999313	11	-50.6986E-08	0.999999	4	-1799110E-02	0.976019	11	-30.6080E-02	0.999818	4	-15.39133E-01	0.262146	11	-35.19133E-02	0.575167	4	-15.39133E-01	0.262146	BHO+, 90
5	-7.8000E-02	10.99993	12	-10.0098E-07	0.999999	5	-157808E-01	0.999360	12	-20.1998E-08	0.999999	5	-15.39133E-01	0.262146	12	-22.1615E-02	0.574958	5	-15.39133E-01	0.262146	BHO+, 90
BHO+, 10																				BHO+, 75	
0	-30.0101	0.603156	9	-11.91119E-03	0.999999	0	-161708	0.352809	10	-71.1502E-02	0.986510	0	-166222	0.282970	10	-23.1307E-02	0.986510	0	-166222	0.282970	BHO+, 90
1	-36.3112	0.706570	9	-3.753578E-08	0.999999	1	-120801	0.282970	11	-23.1307E-02	0.986510	1	-166222	0.282970	11	-23.1307E-02	0.986510	1	-166222	0.282970	BHO+, 90
2	-16.3630	0.929701	10	-10.7020E-08	0.999999	2	-166222	0.282970	12	-23.1307E-02	0.986510	2	-166222	0.282970	12	-23.1307E-02	0.986510	2	-166222	0.282970	BHO+, 90
3	-16.0420E-01	0.978999	11	-3.1621E-05	0.999999	3	-166222	0.282970	13	-23.1307E-02	0.986510	3	-166222	0.282970	13	-23.1307E-02	0.986510	3	-166222	0.282970	BHO+, 90
4	-16.0420E-01	0.978999	12	-1.9686E-05	0.999999	4	-166222	0.282970	14	-23.1307E-02	0.986510	4	-166222	0.282970	14	-23.1307E-02	0.986510	4	-166222	0.282970	BHO+, 90
5	-16.0420E-01	0.978999	13	-1.9686E-05	0.999999	5	-166222	0.282970	15	-23.1307E-02	0.986510	5	-166222	0.282970	15	-23.1307E-02	0.986510	5	-166222	0.282970	BHO+, 90
BHO+, 20																				BHO+, 75	
0	-30.0101	0.351115	10	-13.0782E-03	0.999999	0	-15.11118	0.051050	10	-11.11108E-01	0.955525	0	-16.11118	0.051050	10	-16.11118	0.051050	0	-16.11118	0.051050	BHO+, 90
1	-32.3636	0.458523	10	-1.551115E-03	0.999999	1	-13.0782	0.051050	11	-16.11118E-01	0.955525	1	-16.11118	0.051050	11	-16.11118	0.051050	1	-16.11118	0.051050	BHO+, 90
2	-1.670546	0.961510	11	-8.828305E-05	0.999999	2	-16.11118	0.051050	12	-16.11118E-01	0.955525	2	-16.11118	0.051050	12	-16.11118	0.051050	2	-16.11118	0.051050	BHO+, 90
3	-3.3882E-01	0.977124	12	-15.582282E-05	0.999999	3	-16.11118	0.051050	13	-16.11118E-01	0.955525	3	-16.11118	0.051050	13	-16.11118	0.051050	3	-16.11118	0.051050	BHO+, 90
4	-3.3882E-01	0.977124	13	-15.582282E-05	0.999999	4	-16.11118	0.051050	14	-16.11118E-01	0.955525	4	-16.11118	0.051050	14	-16.11118	0.051050	4	-16.11118	0.051050	BHO+, 90
5	-3.3882E-01	0.977124	14	-15.582282E-05	0.999999	5	-16.11118	0.051050	15	-16.11118E-01	0.955525	5	-16.11118	0.051050	15	-16.11118	0.051050	5	-16.11118	0.051050	BHO+, 90
BHO+, 40																				BHO+, 75	
0	-29.0116	0.251115	10	-13.0782E-03	0.999999	0	-13.0782	0.051050	10	-9.3150E-02	0.999801	0	-13.0782	0.051050	10	-13.0782	0.051050	0	-13.0782	0.051050	BHO+, 90
1	-32.3636	0.351010	10	-1.551115E-03	0.999999	1	-13.0782	0.051050	11	-16.11118E-02	0.999801	1	-13.0782	0.051050	11	-16.11118E-02	0.999801	1	-13.0782	0.051050	BHO+, 90
2	-1.670546	0.961510	11	-10.00510E-05	0.999999	2	-13.0782	0.051050	12	-16.11118E-02	0.999801	2	-13.0782	0.051050	12	-16.11118E-02	0.999801	2	-13.0782	0.051050	BHO+, 90
3	-3.3882E-01	0.977124	12	-15.582282E-05	0.999999	3	-13.0782	0.051050	13	-16.11118E-02	0.999801	3	-13.0782	0.051050	13	-16.11118E-02	0.999801	3	-13.0782	0.051050	BHO+, 90
4	-3.3882E-01	0.977124	13	-15.582282E-05	0.999999	4	-13.0782	0.051050	14	-16.11118E-02	0.999801	4	-13.0782	0.051050	14	-16.11118E-02	0.999801	4	-13.0782	0.051050	BHO+, 90
5	-3.3882E-01	0.977124	14	-15.582282E-05	0.999999	5	-13.0782	0.051050	15	-16.11118E-02	0.999801	5	-13.0782	0.051050	15	-16.11118E-02	0.999801	5	-13.0782	0.051050	BHO+, 90
BHO+, 60																				BHO+, 75	
0	-1.670546	0.161708	10	-8.5000E-02	0.999849	0	-28.0061	0.088282	10	-9.2755E-02	0.999849	0	-16.11118	0.051050	10	-16.11118	0.051050	0	-16.11118	0.051050	BHO+, 90
1	-2.2080	0.282970	10	-1.66222E-02	0.999849	1	-2.07684	0.088282	11	-2.57156E-02	0.999849	1	-1.92527	0.088282	11	-2.57156E-02	0.999849	1	-1.92527	0.088282	BHO+, 90
2	-1.670546	0.961510	11	-10.00510E-05	0.999849	2	-1.670546	0.282970	12	-2.57156E-02	0.999849	2	-1.670546	0.282970	12	-2.57156E-02	0.999849	2	-1.670546	0.282970	BHO+, 90
3	-1.670546	0.961510	12	-1.9686E-05	0.999849	3	-1.670546	0.282970	13	-2.57156E-02	0.999849	3	-1.670546	0.282970	13	-2.57156E-02	0.999849	3	-1.670546	0.282970	BHO+, 90
4	-1.670546	0.961510	13	-1.9686E-05	0.999849	4	-1.670546	0.282970	14	-2.57156E-02	0.999849	4	-1.670546	0.282970	14	-2.57156E-02	0.999849	4	-1.670546	0.282970	BHO+, 90
5	-1.670546	0.961510	14	-1.9686E-05	0.999849	5	-1.670546	0.282970	15	-2.57156E-02	0.999849	5	-1.670546	0.282970	15	-2.57156E-02	0.999849	5	-1.670546	0.282970	BHO+, 90
BHO+, 80																				BHO+, 75	
0	-1.670546	0.161708	10	-8.5000E-02	0.999849	0	-1.670546	0.282970	10	-1.7018E-02	0.999849	0	-1.670546	0.282970	10	-1.7018E-02	0.999849	0	-1.670546	0.282970	BHO+, 90
1	-2.2080	0.282970	10	-1.66222E-02	0.999849	1	-2.07684	0.282970	11	-1.7018E-02	0.999849	1	-2.07684	0.282970	11	-1.7018E-02	0.999849	1	-2.07684	0.282970	BHO+, 90
2	-1.670546	0.961510	11	-10.00510E-05	0.999849	2	-1.670546	0.282970	12	-1.7018E-02	0.999849	2	-1.670546	0.282970	12	-1.7018E-02	0.999849	2	-1.670546	0.282970	BHO+, 90
3	-1.670546	0.961510	12	-1.9686E-05	0.999849	3	-1.670546	0.282970	13	-1.7018E-02	0.999849	3	-1.670546	0.282970	13	-1.7018E-02	0.999849	3	-1.670546	0.282970	BHO+, 90
4	-1.670546	0.961510	13	-1.9686E-05	0.999849	4	-1.670546	0.282970	14	-1.7018E-02	0.999849	4	-1.670546	0.282970	14	-1.7018E-02	0.999849	4	-1.670546	0.282970	BHO+, 90
5	-1.670546	0.961510	14	-1.9686E-05	0.999849	5	-1.670546	0.282970	15	-1.7018E-02	0.999849										

M/M/3 CDF OF WAITING TIME IN THE QUEUE

141174 CDF OF NUMBER IN SYSTEM

STATE	I	P(I=1)	P(=C1)	STATE	I	P(I=1)	P(=C1)	STATE	I	P(I=1)	P(=C1)	STATE	I	P(I=1)	P(=C1)	STATE	I	P(I=1)	P(=C1)	STATE	I	P(I=1)	P(=C1)				
RHO< .10																											
0 .670104	0 .672104	1	.71499952-06	0 .999499	1	0 .377358P-01	0 .217736	16	.317200E-02	0 .978003	1	0 .193336P-02	0 .011948	56	.6687178-02	0 .672326	0 .761799P-02	0 .013561	58	.6422168-02	0 .685302	1	.761799P-02	0 .012483	60	.618038-02	0 .697764
1 .516266P-01	0 .511716	4	.71499959-07	0 .020300	1	2 .164881	0 .177715	16	.307602-02	0 .981962	1	2 .191192P-01	0 .024831	62	.618038-02	0 .697764	2 .164881P-02	0 .020623	62	.5922788-02	0 .709732	1	.191192P-01	0 .019140	64	.5922788-02	0 .721227
2 .716995P-02	0 .714999	5	.71499952-08	0 .020300	1	3 .169811	0 .499566	16	.302548-02	0 .990122	1	3 .169811P-01	0 .019140	64	.5922788-02	0 .721227	3 .169811P-02	0 .019140	64	.5922788-02	0 .721227	1	.191192P-01	0 .019140	66	.5922788-02	0 .721227
3 .716995P-01	0 .71499920	17	.71499952-09	0 .000300	1	4 .127154	0 .617914	16	.226927E-02	0 .971191	1	4 .127154P-01	0 .019140	66	.5922788-02	0 .721227	4 .127154P-02	0 .019140	66	.5922788-02	0 .721227	1	.191192P-01	0 .019140	68	.5922788-02	0 .721227
4 .716995P-00	0 .71499942	11	.71499952-10	0 .010300	1	5 .955188P-01	0 .113811	16	.170158E-02	0 .974491	1	5 .955188P-01	0 .113811	16	.170158E-02	0 .974491	5 .955188P-02	0 .113811	16	.170158E-02	0 .974491	1	.191192P-01	0 .019140	16	.170158E-02	0 .974491
RHO> .10																											
0 .889102	0 .889102	2	.61312748-06	0 .899498	1	6 .802228P-01	0 .307111	23	.170158E-02	0 .977845	1	6 .802228P-01	0 .307111	23	.170158E-02	0 .977845	6 .802228P-02	0 .307111	23	.170158E-02	0 .977845	1	.170158P-01	0 .131454	25	.655552B-02	0 .776777
1 .355301	0 .355301	5	.72261582-06	0 .299987	1	7 .226671P-01	0 .999498	24	.807881E-02	0 .990181	1	7 .226671P-01	0 .999498	24	.807881E-02	0 .990181	7 .226671P-02	0 .999498	24	.807881E-02	0 .990181	1	.170158P-01	0 .130754	25	.3722198-02	0 .817609
2 .161717	0 .161717	9	.765256E9-05	0 .999499	1	8 .177001P-01	0 .989494	25	.102911E-02	0 .999090	1	8 .177001P-01	0 .989494	25	.102911E-02	0 .999090	8 .177001P-02	0 .989494	25	.102911E-02	0 .999090	1	.170158P-01	0 .130754	25	.3722198-02	0 .817609
3 .383257P-01	0 .383257	10	.890519E-06	1.000300	1	9 .12750P-01	0 .961711	23	.227381E-02	0 .999317	1	9 .12750P-01	0 .961711	23	.227381E-02	0 .999317	9 .12750P-02	0 .961711	23	.227381E-02	0 .999317	1	.170158P-01	0 .130754	25	.3722198-02	0 .817609
4 .766468P-02	0 .766468	11	.981078E-07	1.000303	1	10 .956248P-02	0 .971171	17	.717621E-02	0 .999783	1	10 .956248P-02	0 .971171	17	.717621E-02	0 .999783	10 .956248P-03	0 .971171	17	.717621E-02	0 .999783	1	.170158P-01	0 .130754	19	.3789108-02	0 .875933
5 .104547P-01	0 .104547	12	.999498E-07	1.000300	1	11 .190281P-01	0 .992493	24	.102911E-02	0 .999090	1	11 .190281P-01	0 .992493	24	.102911E-02	0 .999090	11 .190281P-02	0 .992493	24	.102911E-02	0 .999090	1	.170158P-01	0 .130754	25	.3722198-02	0 .817609
RHO> .15																											
0 .300112	0 .301172	8	.210072E-01	0 .499910	1	12 .170158P-01	0 .011712	16	.120466E-02	0 .987865	1	12 .170158P-01	0 .011712	16	.120466E-02	0 .987865	12 .170158P-02	0 .011712	16	.120466E-02	0 .987865	1	.170158P-01	0 .011712	16	.120466E-02	0 .987865
1 .219729	0 .219729	4	.610216E-07	0 .499911	1	13 .191910P-01	0 .113811	17	.655708E-02	0 .971167	1	13 .191910P-01	0 .113811	17	.655708E-02	0 .971167	13 .191910P-02	0 .113811	17	.655708E-02	0 .971167	1	.170158P-01	0 .130754	19	.3722198-02	0 .817609
2 .221042	0 .221042	5	.610216E-07	0 .499911	1	14 .191910P-01	0 .113811	17	.655708E-02	0 .971167	1	14 .191910P-01	0 .113811	17	.655708E-02	0 .971167	14 .191910P-02	0 .113811	17	.655708E-02	0 .971167	1	.170158P-01	0 .130754	19	.3722198-02	0 .817609
3 .864698P-01	0 .864698	12	.312112E-07	0 .299982	1	15 .191910P-01	0 .113811	17	.655708E-02	0 .971167	1	15 .191910P-01	0 .113811	17	.655708E-02	0 .971167	15 .191910P-02	0 .113811	17	.655708E-02	0 .971167	1	.170158P-01	0 .130754	19	.3722198-02	0 .817609
4 .255106P-01	0 .255106	13	.121015E-08	0 .499911	1	16 .191910P-01	0 .113811	17	.655708E-02	0 .971167	1	16 .191910P-01	0 .113811	17	.655708E-02	0 .971167	16 .191910P-02	0 .113811	17	.655708E-02	0 .971167	1	.170158P-01	0 .130754	19	.3722198-02	0 .817609
5 .774068P-02	0 .774068	11	.510582E-06	1.000000	1	17 .191910P-01	0 .113811	17	.655708E-02	0 .971167	1	17 .191910P-01	0 .113811	17	.655708E-02	0 .971167	17 .191910P-02	0 .113811	17	.655708E-02	0 .971167	1	.170158P-01	0 .130754	19	.3722198-02	0 .817609
6 .233161P-02	0 .233161	12	.199910E-06	0 .999910	1	18 .191910P-01	0 .113811	17	.655708E-02	0 .971167	1	18 .191910P-01	0 .113811	17	.655708E-02	0 .971167	18 .191910P-02	0 .113811	17	.655708E-02	0 .971167	1	.170158P-01	0 .130754	19	.3722198-02	0 .817609
7 .7700248P-01	0 .7700248	15	.459628E-07	1.000003	1	19 .191910P-01	0 .113811	17	.655708E-02	0 .971167	1	19 .191910P-01	0 .113811	17	.655708E-02	0 .971167	19 .191910P-02	0 .113811	17	.655708E-02	0 .971167	1	.170158P-01	0 .130754	19	.3722198-02	0 .817609
RHO> .20																											
0 .155297	0 .155297	12	.222904E-05	0 .999491	1	20 .185647P-01	0 .011570	16	.102466E-02	0 .987865	1	20 .185647P-01	0 .011570	16	.102466E-02	0 .987865	20 .185647P-02	0 .011570	16	.102466E-02	0 .987865	1	.170158P-01	0 .011570	16	.102466E-02	0 .987865
1 .255091	0 .255091	13	.165654E-05	0 .999491	1	21 .191910P-01	0 .113811	17	.655708E-02	0 .971167	1	21 .191910P-01	0 .113811	17	.655708E-02	0 .971167	21 .191910P-02	0 .113811	17	.655708E-02	0 .971167	1	.170158P-01	0 .130754	19	.3722198-02	0 .817609
2 .136050	0 .136050	14	.164926E-05	0 .999491	1	22 .191910P-01	0 .113811	17	.655708E-02	0 .971167	1	22 .191910P-01	0 .113811	17	.655708E-02	0 .971167	22 .191910P-02	0 .113811	17	.655708E-02	0 .971167	1	.170158P-01	0 .130754	19	.3722198-02	0 .817609
3 .586188P-01	0 .586188	13	.164926E-05	0 .999491	1	23 .191910P-01	0 .113811	17	.655708E-02	0 .971167	1	23 .191910P-01	0 .113811	17	.655708E-02	0 .971167	23 .191910P-02	0 .113811	17	.655708E-02	0 .971167	1	.170158P-01	0 .130754	19	.3722198-02	0 .817609
4 .236077	0 .236077	14	.164926E-05	0 .999491	1	24 .191910P-01	0 .113811	17	.655708E-02	0 .971167	1	24 .191910P-01	0 .113811	17	.655708E-02	0 .971167	24 .191910P-02	0 .113811	17	.655708E-02	0 .971167	1	.170158P-01	0 .130754	19	.3722198-02	0 .817609
5 .155106P-01	0 .155106	15	.164926E-05	0 .999491	1	25 .191910P-01	0 .113811	17	.655708E-02	0 .971167	1	25 .191910P-01	0 .113811	17	.655708E-02	0 .971167	25 .191910P-02	0 .113811	17	.655708E-02	0 .971167	1	.170158P-01	0 .130754	19	.3722198-02	0 .817609
RHO> .25																											
0 .830468P-01	0 .830468	13	.115704E-02	0 .999491	1	26 .222805P-01	0 .011726	16	.226918E-02	0 .999520	1	26 .222805P-01	0 .011726	16	.226918E-02	0 .999520	26 .222805P-02	0 .011726	16	.226918E-02	0 .999520	1	.170158P-01	0 .131454	19	.3722198-02	0 .817609
1 .190316	0 .190316	14	.192281E-02	0 .999491	1	27 .222805P-01	0 .011726	16	.226918E-02	0 .999520	1	27 .222805P-01	0 .011726	16	.226918E-02	0 .999520	27 .222805P-02	0 .011726	16	.226918E-02	0 .999520	1	.170158P-01	0 .131454	19	.3722198-02	0 .817609
2 .190316	0 .190316	15	.192281E-02	0 .999491	1	28 .222805P-01	0 .011726	16	.226918E-02	0 .999520	1	28 .222805P-01	0 .011726	16	.226918E-02	0 .999520	28 .222805P-02	0 .011726	16	.226918E-02	0 .999520	1					

M/M/4 CDF OF WAITING TIME IN THE QUEUE

TIME	PERCENTILE	TIME	PERCENTILE	TIME	PERCENTILE	TIME	PERCENTILE	TIME	PERCENTILE	TIME	PERCENTILE	TIME	PERCENTILE		
BnC=10	BnC=40	BnC=80	BnC=160	BnC=320	BnC=640	BnC=1280	BnC=2560	BnC=5120	BnC=10240	BnC=20480	BnC=40960	BnC=81920	BnC=163840		
0.0	0.955256	1.0	0.999999	0.0	0.712957	2.0	0.999460	0.0	0.336695	10.0	0.999193	0.0	0.694003	48.0	0.915017
0.1	0.955276	1.0	0.999999	0.1	0.712412	3.0	0.991394	0.1	0.320596	11.0	0.997617	0.1	0.694003	49.0	0.915017
0.2	0.955330	1.0	0.999999	0.2	0.713026	3.5	0.992116	0.2	0.331058	12.0	0.998051	0.2	0.694003	50.0	0.915017
0.3	0.955354	1.0	0.999999	0.3	0.713518	4.0	0.992532	0.3	0.325252	13.0	0.998282	0.3	0.694003	51.0	0.915017
0.4	0.955384	1.0	0.999999	0.4	0.714001	4.5	0.992952	0.4	0.325982	14.0	0.998381	0.4	0.694003	52.0	0.915017
0.5	0.955401	1.0	0.999999	0.5	0.714489	5.0	0.993193	0.5	0.326455	15.0	0.998381	0.5	0.694003	53.0	0.915017
0.6	0.955421	2.0	0.999999	0.6	0.714968	6.0	0.993790	0.6	0.327042	16.0	0.998381	0.6	0.694003	54.0	0.915017
0.7	0.955437	3.0	0.999999	0.7	0.715349	7.0	0.994259	0.7	0.327689	17.0	0.998481	0.7	0.694003	55.0	0.915017
0.8	0.955454	4.0	0.999999	0.8	0.715664	7.5	0.994569	0.8	0.328041	18.0	0.998481	0.8	0.694003	56.0	0.915017
0.9	0.955467	5.0	0.999999	0.9	0.715737	8.0	0.994671	0.9	0.328217	19.0	0.998481	0.9	0.694003	57.0	0.915017
1.0	0.955477	6.0	0.999999	1.0	0.715799	10.0	0.994673	1.0	0.328206	20.0	0.998481	1.0	0.694003	58.0	0.915017
1.1	0.955483	7.0	0.999999	1.1	0.715816	11.0	0.994673	1.1	0.328206	21.0	0.998481	1.1	0.694003	59.0	0.915017
1.2	0.955489	8.0	0.999999	1.2	0.715817	12.0	0.994673	1.2	0.328206	22.0	0.998481	1.2	0.694003	60.0	0.915017
1.3	0.955493	9.0	0.999999	1.3	0.715817	13.0	0.994673	1.3	0.328206	23.0	0.998481	1.3	0.694003	61.0	0.915017
1.4	0.955499	10.0	0.999999	1.4	0.715817	14.0	0.994673	1.4	0.328206	24.0	0.998481	1.4	0.694003	62.0	0.915017
1.5	0.955505	11.0	0.999999	1.5	0.715817	15.0	0.994673	1.5	0.328206	25.0	0.998481	1.5	0.694003	63.0	0.915017
1.6	0.955511	12.0	0.999999	1.6	0.715817	16.0	0.994673	1.6	0.328206	26.0	0.998481	1.6	0.694003	64.0	0.915017
1.7	0.955515	13.0	0.999999	1.7	0.715817	17.0	0.994673	1.7	0.328206	27.0	0.998481	1.7	0.694003	65.0	0.915017
1.8	0.955519	14.0	0.999999	1.8	0.715817	18.0	0.994673	1.8	0.328206	28.0	0.998481	1.8	0.694003	66.0	0.915017
1.9	0.955523	15.0	0.999999	1.9	0.715817	19.0	0.994673	1.9	0.328206	29.0	0.998481	1.9	0.694003	67.0	0.915017
2.0	0.955527	16.0	0.999999	2.0	0.715817	20.0	0.994673	2.0	0.328206	30.0	0.998481	2.0	0.694003	68.0	0.915017
2.1	0.955530	17.0	0.999999	2.1	0.715817	21.0	0.994673	2.1	0.328206	31.0	0.998481	2.1	0.694003	69.0	0.915017
2.2	0.955534	18.0	0.999999	2.2	0.715817	22.0	0.994673	2.2	0.328206	32.0	0.998481	2.2	0.694003	70.0	0.915017
2.3	0.955537	19.0	0.999999	2.3	0.715817	23.0	0.994673	2.3	0.328206	33.0	0.998481	2.3	0.694003	71.0	0.915017
2.4	0.955540	20.0	0.999999	2.4	0.715817	24.0	0.994673	2.4	0.328206	34.0	0.998481	2.4	0.694003	72.0	0.915017
2.5	0.955543	21.0	0.999999	2.5	0.715817	25.0	0.994673	2.5	0.328206	35.0	0.998481	2.5	0.694003	73.0	0.915017
2.6	0.955546	22.0	0.999999	2.6	0.715817	26.0	0.994673	2.6	0.328206	36.0	0.998481	2.6	0.694003	74.0	0.915017
2.7	0.955549	23.0	0.999999	2.7	0.715817	27.0	0.994673	2.7	0.328206	37.0	0.998481	2.7	0.694003	75.0	0.915017
2.8	0.955552	24.0	0.999999	2.8	0.715817	28.0	0.994673	2.8	0.328206	38.0	0.998481	2.8	0.694003	76.0	0.915017
2.9	0.955554	25.0	0.999999	2.9	0.715817	29.0	0.994673	2.9	0.328206	39.0	0.998481	2.9	0.694003	77.0	0.915017
3.0	0.955556	26.0	0.999999	3.0	0.715817	30.0	0.994673	3.0	0.328206	40.0	0.998481	3.0	0.694003	78.0	0.915017
3.1	0.955558	27.0	0.999999	3.1	0.715817	31.0	0.994673	3.1	0.328206	41.0	0.998481	3.1	0.694003	79.0	0.915017
3.2	0.955560	28.0	0.999999	3.2	0.715817	32.0	0.994673	3.2	0.328206	42.0	0.998481	3.2	0.694003	80.0	0.915017
3.3	0.955562	29.0	0.999999	3.3	0.715817	33.0	0.994673	3.3	0.328206	43.0	0.998481	3.3	0.694003	81.0	0.915017
3.4	0.955564	30.0	0.999999	3.4	0.715817	34.0	0.994673	3.4	0.328206	44.0	0.998481	3.4	0.694003	82.0	0.915017
3.5	0.955566	31.0	0.999999	3.5	0.715817	35.0	0.994673	3.5	0.328206	45.0	0.998481	3.5	0.694003	83.0	0.915017
3.6	0.955567	32.0	0.999999	3.6	0.715817	36.0	0.994673	3.6	0.328206	46.0	0.998481	3.6	0.694003	84.0	0.915017
3.7	0.955569	33.0	0.999999	3.7	0.715817	37.0	0.994673	3.7	0.328206	47.0	0.998481	3.7	0.694003	85.0	0.915017
3.8	0.955571	34.0	0.999999	3.8	0.715817	38.0	0.994673	3.8	0.328206	48.0	0.998481	3.8	0.694003	86.0	0.915017
3.9	0.955572	35.0	0.999999	3.9	0.715817	39.0	0.994673	3.9	0.328206	49.0	0.998481	3.9	0.694003	87.0	0.915017
4.0	0.955573	36.0	0.999999	4.0	0.715817	40.0	0.994673	4.0	0.328206	50.0	0.998481	4.0	0.694003	88.0	0.915017
4.1	0.955574	37.0	0.999999	4.1	0.715817	41.0	0.994673	4.1	0.328206	51.0	0.998481	4.1	0.694003	89.0	0.915017
4.2	0.955575	38.0	0.999999	4.2	0.715817	42.0	0.994673	4.2	0.328206	52.0	0.998481	4.2	0.694003	90.0	0.915017
4.3	0.955576	39.0	0.999999	4.3	0.715817	43.0	0.994673	4.3	0.328206	53.0	0.998481	4.3	0.694003	91.0	0.915017
4.4	0.955577	40.0	0.999999	4.4	0.715817	44.0	0.994673	4.4	0.328206	54.0	0.998481	4.4	0.694003	92.0	0.915017
4.5	0.955578	41.0	0.999999	4.5	0.715817	45.0	0.994673	4.5	0.328206	55.0	0.998481	4.5	0.694003	93.0	0.915017
4.6	0.955579	42.0	0.999999	4.6	0.715817	46.0	0.994673	4.6	0.328206	56.0	0.998481	4.6	0.694003	94.0	0.915017
4.7	0.955580	43.0	0.999999	4.7	0.715817	47.0	0.994673	4.7	0.328206	57.0	0.998481	4.7	0.694003	95.0	0.915017
4.8	0.955581	44.0	0.999999	4.8	0.715817	48.0	0.994673	4.8	0.328206	58.0	0.998481	4.8	0.694003	96.0	0.915017
4.9	0.955582	45.0	0.999999	4.9	0.715817	49.0	0.994673	4.9	0.328206	59.0	0.998481	4.9	0.694003	97.0	0.915017
5.0	0.955583	46.0	0.999999	5.0	0.715817	50.0	0.994673	5.0	0.328206	60.0	0.998481	5.0	0.694003	98.0	0.915017
5.1	0.955584	47.0	0.999999	5.1	0.715817	51.0	0.994673	5.1	0.328206	61.0	0.998481	5.1	0.694003	99.0	0.915017
5.2	0.955585	48.0	0.999999	5.2	0.715817	52.0	0.994673	5.2	0.328206	62.0	0.998481	5.2	0.694003	100.0	0.915017
5.3	0.955586	49.0	0.999999	5.3	0.715817	53.0	0.994673	5.3	0.328206	63.0	0.998481	5.3	0.694003	101.0	0.915017
5.4	0.955587	50.0	0.999999	5.4	0.715817	54.0	0.994673	5.4	0.328206	64.0	0.998481	5.4	0.694003	102.0	0.915017
5.5	0.955588	51.0	0.999999	5.5	0.715817	55.0	0.994673	5.5	0.328206	65.0	0.998481	5.5	0.694003	103.0	0.915017
5.6	0.955589	52.0	0.999999	5.6	0.715817	56.0	0.994673	5.6	0.328206	66.0	0.998481	5.6	0.694003	104.0	0.915017
5.7	0.955590	53.0	0.999999	5.7	0.715817	57.0	0.994673	5.7	0.328206	67.0	0.998481	5.7	0.694003	105.0	0.915017
5.															

M/M/5 CDF OF NUMBER IN SYSTEM

STATE	I	P(I=1)	P(I=0)	STATE	I	P(I=1)	P(I=0)	STATE	I	P(I=1)	P(I=0)	STATE	I	P(I=1)	P(I=0)	STATE	I	P(I=1)	P(I=0)		
BHO+10																					
0 . 808529	0 . 636529	6 . 1579508 -06	0 . 999999	0 . 166878e-01	0 . 216461	10 . 856128 -02	0 . 971909	0 . 807420e-01	0 . 097823	16 . 578110e-02	0 . 987477	0 . 195616e-02	0 . 204744	18 . 851849e-02	0 . 994764	0 . 195616e-02	0 . 204744	18 . 851849e-02	0 . 994764		
1 . 301264	0 . 909791	7 . 1579508 -05	0 . 999999	1 . 700551e-01	0 . 088726	15 . 659128 -02	0 . 989999	1 . 965107e-02	0 . 204537	6 . 625616e-02	0 . 991829	2 . 111351	0 . 220093	16 . 975918 -02	0 . 995372	2 . 195107e-02	0 . 204537	6 . 625616e-02	0 . 991829		
2 . 758361e-01	0 . 985609	8 . 1579508 -06	0 . 999999	3 . 160192	0 . 184282	17 . 385959e-02	0 . 999929	3 . 195120e-02	0 . 010249	52 . 409878e-02	0 . 705569	4 . 147790e-02	0 . 999925	6 . 153910	0 . 538212	18 . 278271e-02	0 . 991772	4 . 191462e-02	0 . 999925	6 . 153910	0 . 538212
5 . 1579508 -02	0 . 999925	12 . 1579508 -06	0 . 999999	5 . 160192	0 . 645165	19 . 205703e-02	0 . 999929	5 . 190563e-02	0 . 064948	66 . 554229e-02	0 . 724826	5 . 1579508 -02	0 . 999925	6 . 165719	0 . 780524	20 . 156878e-02	0 . 995371	5 . 180472e-02	0 . 047315	68 . 522291e-02	0 . 719709
5 . 1579508 -03	0 . 999942	11 . 1579508 -06	0 . 999999	6 . 848199e-01	0 . 760254	21 . 156878e-02	0 . 999929	6 . 180472e-01	0 . 047315	70 . 517120e-02	0 . 746509	7 . 160878e-01	0 . 848199	22 . 156878e-02	0 . 999929	7 . 180472e-01	0 . 047315	72 . 517120e-02	0 . 746509		
BHO+20																					
0 . 367816	0 . 167816	7 . 1226058 -03	0 . 999999	0 . 165202e-01	0 . 899435	23 . 650858e-03	0 . 999897	0 . 165202e-01	0 . 899435	40 . 974769e-02	0 . 715110	1 . 301264	0 . 909791	8 . 205211e-04	0 . 999993	1 . 271062e-01	0 . 171627	45 . 877559e-02	0 . 811499		
1 . 367816	0 . 715152	9 . 205211e-04	0 . 999993	10 . 271062e-01	0 . 917812	24 . 668163e-03	0 . 999835	11 . 205471e-01	0 . 918119	46 . 161283e-02	0 . 912369	2 . 181908e-01	0 . 913750	9 . 205471e-01	0 . 918119	12 . 161902e-01	0 . 913750	9 . 205471e-01	0 . 918119		
2 . 181908e-01	0 . 913750	9 . 205471e-01	0 . 999999	12 . 158101e-01	0 . 953169	26 . 274581e-03	0 . 999976	13 . 115578e-01	0 . 956127	48 . 279853e-02	0 . 991159	3 . 125311	0 . 912870	12 . 205471e-01	0 . 953169	3 . 125311	0 . 912870	12 . 205471e-01	0 . 953169		
4 . 1579508 -01	0 . 999942	11 . 1579508 -06	0 . 999999	4 . 165719e-01	0 . 848199	23 . 156878e-02	0 . 999929	4 . 180472e-01	0 . 848199	50 . 227841e-02	0 . 811499	5 . 1579508 -03	0 . 999942	11 . 1579508 -06	0 . 999999	5 . 1579508 -03	0 . 999942	11 . 1579508 -06	0 . 999999		
6 . 113027e-03	0 . 999946	10 . 1579508 -06	0 . 999999	6 . 180472e-01	0 . 848199	51 . 156878e-02	0 . 999929	6 . 180472e-01	0 . 848199	52 . 227841e-02	0 . 811499	7 . 160878e-01	0 . 848199	10 . 1579508 -06	0 . 999999	7 . 160878e-01	0 . 848199	10 . 1579508 -06	0 . 999999		
BHO+30																					
0 . 367816	0 . 167816	7 . 1226058 -03	0 . 999999	0 . 165202e-01	0 . 899435	23 . 650858e-03	0 . 999897	0 . 165202e-01	0 . 899435	40 . 974769e-02	0 . 715110	1 . 301264	0 . 909791	8 . 205211e-04	0 . 999993	1 . 271062e-01	0 . 171627	45 . 877559e-02	0 . 811499		
1 . 367816	0 . 715152	9 . 205211e-04	0 . 999993	10 . 271062e-01	0 . 917812	24 . 668163e-03	0 . 999835	11 . 205471e-01	0 . 918119	46 . 161283e-02	0 . 912369	2 . 181908e-01	0 . 913750	9 . 205471e-01	0 . 918119	12 . 161902e-01	0 . 913750	9 . 205471e-01	0 . 918119		
2 . 181908e-01	0 . 913750	9 . 205471e-01	0 . 999999	3 . 125311	0 . 912870	12 . 205471e-01	0 . 953169	4 . 158101e-01	0 . 953169	52 . 227841e-02	0 . 811499	5 . 1579508 -03	0 . 999942	11 . 1579508 -06	0 . 999999	5 . 1579508 -03	0 . 999942	11 . 1579508 -06	0 . 999999		
6 . 113027e-03	0 . 999946	10 . 1579508 -06	0 . 999999	6 . 180472e-01	0 . 848199	53 . 156878e-02	0 . 999929	6 . 180472e-01	0 . 848199	54 . 227841e-02	0 . 811499	7 . 160878e-01	0 . 848199	10 . 1579508 -06	0 . 999999	7 . 160878e-01	0 . 848199	10 . 1579508 -06	0 . 999999		
BHO+40																					
0 . 222777e-01	0 . 222777e-01	8 . 306631e-03	0 . 999937	0 . 151884e-01	0 . 064199	15 . 178995e-02	0 . 951052	0 . 151884e-01	0 . 064199	16 . 162160e-02	0 . 917511	1 . 205011	0 . 907550	12 . 205011e-01	0 . 951052	1 . 205011	0 . 907550	12 . 205011e-01	0 . 951052		
2 . 205011	0 . 907550	12 . 205011e-01	0 . 999999	2 . 103089e-01	0 . 168811	16 . 195195e-02	0 . 961921	3 . 113525e-01	0 . 107159	17 . 761568e-02	0 . 995957	4 . 169566e-01	0 . 045567	18 . 609252e-02	0 . 976530	5 . 110621	0 . 545164	19 . 545164e-02	0 . 999503		
5 . 180975e-01	0 . 919355	10 . 205471e-01	0 . 999999	6 . 180975e-01	0 . 919355	20 . 684020e-02	0 . 999503	7 . 158101e-01	0 . 953169	21 . 274581e-02	0 . 999376	8 . 115578e-01	0 . 956127	10 . 1579508 -03	0 . 999973	9 . 1579508 -01	0 . 956127	10 . 1579508 -03	0 . 999973		
9 . 124877e-02	0 . 999946	11 . 1579508 -06	0 . 999999	9 . 1579508 -01	0 . 956127	22 . 269551e-02	0 . 999376	10 . 1579508 -01	0 . 956127	23 . 156198e-02	0 . 999929	11 . 1579508 -01	0 . 956127	12 . 156198e-02	0 . 999929	13 . 1579508 -01	0 . 956127	12 . 156198e-02	0 . 999929		
13 . 124877e-02	0 . 999946	11 . 1579508 -06	0 . 999999	14 . 1579508 -01	0 . 956127	24 . 156198e-02	0 . 999929	15 . 1579508 -01	0 . 956127	25 . 156198e-02	0 . 999929	16 . 1579508 -01	0 . 956127	17 . 1579508 -01	0 . 956127	16 . 1579508 -01	0 . 956127	17 . 1579508 -01	0 . 956127		
BHO+50																					
0 . 138472e-01	0 . 138472e-01	12 . 364905e-03	0 . 999955	0 . 889606e-02	0 . 004936	19 . 118693e-02	0 . 913270	0 . 889606e-02	0 . 004936	19 . 118693e-02	0 . 913270	1 . 205011	0 . 121113	20 . 100892e-02	0 . 044249	2 . 167110e-01	0 . 121113	21 . 1579508 -02	0 . 999955		
2 . 266457	0 . 802495	11 . 167672e-03	0 . 999952	2 . 105089e-01	0 . 168811	22 . 100892e-02	0 . 044249	3 . 171062e-01	0 . 917812	23 . 098163e-02	0 . 999449	4 . 122212e-01	0 . 907151	24 . 102212e-02	0 . 999591	5 . 137510e-01	0 . 918149	25 . 108675e-02	0 . 999591		
5 . 137510e-01	0 . 918149	25 . 108675e-02	0 . 999591	6 . 137510e-01	0 . 918149	26 . 108675e-02	0 . 999591	7 . 137510e-01	0 . 918149	27 . 108675e-02	0 . 999591	8 . 137510e-01	0 . 918149	28 . 108675e-02	0 . 999591	9 . 137510e-01	0 . 918149	29 . 108675e-02	0 . 999591		
9 . 137510e-01	0 . 918149	29 . 108675e-02	0 . 999591	10 . 138472e-01	0 . 918149	30 . 108675e-02	0 . 999591	11 . 138472e-01	0 . 918149	32 . 267528e-02	0 . 999591	12 . 138472e-01	0 . 918149	33 . 267528e-02	0 . 999591	13 . 138472e-01	0 . 918149	34 . 267528e-02	0 . 999591		
14 . 138472e-01	0 . 918149	34 . 267528e-02	0 . 999591	15 . 138472e-01	0 . 918149	35 . 267528e-02	0 . 999591	16 . 138472e-01	0 . 918149	36 . 267528e-02	0 . 999591	17 . 138472e-01	0 . 918149	37 . 267528e-02	0 . 999591	18 . 138472e-01	0 . 918149	38 . 267528e-02	0 . 999591		
19 . 138472e-01	0 . 918149	38 . 267528e-02	0 . 999591	20 . 138472e-01	0 . 918149	39 . 267528e-02	0 . 999591	21 . 138472e-01	0 . 918149	40 . 267528e-02	0 . 999591	22 . 138472e-01	0 . 918149	41 . 267528e-02	0 . 999591	23 . 138472e-01	0 . 918149	42 . 267528e-02	0 . 999591		
BHO+60																					
0 . 886672e-03	0 . 086687	11 . 156508e-02	0 . 999727	0 . 655855e-02	0 . 004659	25 . 927013e-02	0 . 915156	0 . 655855e-02	0 . 004659	0 . 655855e-02	0 . 004659	1 . 205011	0 . 077321	26 . 156218e-02	0 . 999727	1 . 205011	0 . 077321	26 . 156218e-02	0 . 999727		
2 . 139942	0 . 166529	15 . 157116e-02	0 . 999981	18 . 193159e-01	0 . 045565	27 . 655855e-02	0 . 999981	19 . 178389e-01	0 . 041003	32 . 591056e-02	0 . 999981	20 . 178389e-01	0 . 041003	33 . 591056e-02	0 . 999981	21 . 178389e-01	0 . 041003	34 . 591056e-02	0 . 999981		
3 . 139942	0 . 166529	34 . 591056e-02	0 . 999981	4 . 158101e-01	0 . 077321	35 . 668163e-02	0 . 999981	5 . 158101e-01	0 . 077321	36 . 668163e-02	0 . 999981	6 . 158101e-01	0 . 077321	37 . 668163e-02	0 . 999981	7 . 158101e-01	0 . 077321	38 . 668163e-02	0 . 999981		
8 . 139942	0 . 166529	38 . 668163e-02	0 . 999981	9 . 158101e-01	0 . 077321	39 . 668163e-02	0 . 999981	10 . 158101e-01	0 . 077321	40 . 668163e-02	0 . 999981	11 . 158101e-01	0 . 077321	41 . 668163e-02	0 . 999981	12 . 158101e-01	0 . 077321	42 . 668163e-02	0 . 999981		
10 . 139942	0 . 166529	42 . 668163e-02	0 . 999981	11 . 158101e-01	0 . 077321	43 . 668163e-02															

M/M/5 COF OF WRITING TIME IN THE QUEUE

TYPE	PERIODIC	TIME	PERIODIC	TYPE	PERIODIC	TIME	PERIODIC	TYPE	PERIODIC	TIME	PERIODIC	TYPE	PERIODIC	TIME	PERIODIC				
MM=1.0																			
O.0	C.0555026	1.5	0.999910	O.0	C.763400	2.5	0.912125	O.0	C.0555030	10.0	0.852548	O.0	C.0555032	0.5	0.623612	O.0	C.0555034	0.5	0.623612
C.1	C.0555036	1.5	0.999912	O.1	C.773100	3.0	0.928073	O.1	C.0555037	12.0	0.876107	O.2	C.0555037	5.0	0.623612	O.2	C.0555039	5.0	0.623612
C.2	C.0555033	1.5	0.999913	O.2	C.783200	3.5	0.932322	O.2	C.0555038	13.0	0.891958	O.3	C.0555038	5.5	0.623612	O.3	C.0555040	5.5	0.623612
C.3	C.0555036	1.5	0.999912	O.3	C.790700	4.0	0.906066	O.3	C.0555039	14.0	0.901958	O.4	C.0555039	6.0	0.623612	O.4	C.0555041	6.0	0.623612
O.0	C.0555038	2.0	0.999913	O.0	C.806500	5.0	0.998060	O.0	C.0555040	15.0	0.911958	O.1	C.0555040	6.0	0.623612	O.1	C.0555042	6.0	0.623612
O.1	C.0555035	2.0	0.999913	O.1	C.809700	5.0	0.985061	O.1	C.0555041	16.0	0.921958	O.2	C.0555041	6.0	0.623612	O.2	C.0555043	6.0	0.623612
O.2	C.0555032	2.0	0.999912	O.2	C.821200	5.0	0.985061	O.2	C.0555042	17.0	0.931958	O.3	C.0555042	6.0	0.623612	O.3	C.0555044	6.0	0.623612
O.3	C.0555035	2.0	0.999913	O.3	C.821200	5.0	0.985061	O.3	C.0555043	18.0	0.941958	O.4	C.0555043	6.0	0.623612	O.4	C.0555045	6.0	0.623612
C.0	C.0555036	2.0	0.999913	O.0	C.821200	5.0	0.985061	O.0	C.0555044	19.0	0.951958	O.1	C.0555044	6.0	0.623612	O.1	C.0555046	6.0	0.623612
C.1	C.0555035	2.0	0.999912	O.1	C.821200	5.0	0.985061	O.1	C.0555045	20.0	0.961958	O.2	C.0555045	6.0	0.623612	O.2	C.0555047	6.0	0.623612
C.2	C.0555036	2.0	0.999913	O.2	C.821200	5.0	0.985061	O.2	C.0555046	21.0	0.971958	O.3	C.0555046	6.0	0.623612	O.3	C.0555048	6.0	0.623612
C.3	C.0555035	2.0	0.999912	O.3	C.821200	5.0	0.985061	O.3	C.0555047	22.0	0.981958	O.4	C.0555047	6.0	0.623612	O.4	C.0555049	6.0	0.623612
O.0	C.0555040	2.0	0.999913	O.0	C.821200	5.0	0.985061	O.0	C.0555048	23.0	0.991958	O.1	C.0555048	6.0	0.623612	O.1	C.0555050	6.0	0.623612
O.1	C.0555043	2.0	0.999912	O.1	C.821200	5.0	0.985061	O.1	C.0555049	24.0	0.9991958	O.2	C.0555049	6.0	0.623612	O.2	C.0555051	6.0	0.623612
O.2	C.0555042	2.0	0.999913	O.2	C.821200	5.0	0.985061	O.2	C.0555050	25.0	0.9991958	O.3	C.0555050	6.0	0.623612	O.3	C.0555052	6.0	0.623612
O.3	C.0555043	2.0	0.999912	O.3	C.821200	5.0	0.985061	O.3	C.0555051	26.0	0.9991958	O.4	C.0555051	6.0	0.623612	O.4	C.0555053	6.0	0.623612
C.0	C.0555046	2.0	0.999913	O.0	C.821200	5.0	0.985061	O.0	C.0555052	27.0	0.9991958	O.1	C.0555052	6.0	0.623612	O.1	C.0555054	6.0	0.623612
C.1	C.0555045	2.0	0.999912	O.1	C.821200	5.0	0.985061	O.1	C.0555053	28.0	0.9991958	O.2	C.0555053	6.0	0.623612	O.2	C.0555055	6.0	0.623612
C.2	C.0555046	2.0	0.999913	O.2	C.821200	5.0	0.985061	O.2	C.0555054	29.0	0.9991958	O.3	C.0555054	6.0	0.623612	O.3	C.0555056	6.0	0.623612
C.3	C.0555045	2.0	0.999912	O.3	C.821200	5.0	0.985061	O.3	C.0555055	30.0	0.9991958	O.4	C.0555055	6.0	0.623612	O.4	C.0555057	6.0	0.623612
O.0	C.0555050	2.0	0.999913	O.0	C.821200	5.0	0.985061	O.0	C.0555058	31.0	0.9991958	O.1	C.0555058	6.0	0.623612	O.1	C.0555059	6.0	0.623612
O.1	C.0555053	2.0	0.999912	O.1	C.821200	5.0	0.985061	O.1	C.0555059	32.0	0.9991958	O.2	C.0555059	6.0	0.623612	O.2	C.0555060	6.0	0.623612
O.2	C.0555052	2.0	0.999913	O.2	C.821200	5.0	0.985061	O.2	C.0555060	33.0	0.9991958	O.3	C.0555060	6.0	0.623612	O.3	C.0555061	6.0	0.623612
O.3	C.0555053	2.0	0.999912	O.3	C.821200	5.0	0.985061	O.3	C.0555061	34.0	0.9991958	O.4	C.0555061	6.0	0.623612	O.4	C.0555062	6.0	0.623612
C.0	C.0555056	2.0	0.999913	O.0	C.821200	5.0	0.985061	O.0	C.0555064	35.0	0.9991958	O.1	C.0555064	6.0	0.623612	O.1	C.0555065	6.0	0.623612
C.1	C.0555055	2.0	0.999912	O.1	C.821200	5.0	0.985061	O.1	C.0555065	36.0	0.9991958	O.2	C.0555065	6.0	0.623612	O.2	C.0555066	6.0	0.623612
C.2	C.0555056	2.0	0.999913	O.2	C.821200	5.0	0.985061	O.2	C.0555066	37.0	0.9991958	O.3	C.0555066	6.0	0.623612	O.3	C.0555067	6.0	0.623612
C.3	C.0555055	2.0	0.999912	O.3	C.821200	5.0	0.985061	O.3	C.0555067	38.0	0.9991958	O.4	C.0555067	6.0	0.623612	O.4	C.0555068	6.0	0.623612
O.0	C.0555062	2.0	0.999913	O.0	C.821200	5.0	0.985061	O.0	C.0555070	39.0	0.9991958	O.1	C.0555070	6.0	0.623612	O.1	C.0555071	6.0	0.623612
O.1	C.0555065	2.0	0.999912	O.1	C.821200	5.0	0.985061	O.1	C.0555071	40.0	0.9991958	O.2	C.0555071	6.0	0.623612	O.2	C.0555072	6.0	0.623612
O.2	C.0555064	2.0	0.999913	O.2	C.821200	5.0	0.985061	O.2	C.0555072	41.0	0.9991958	O.3	C.0555072	6.0	0.623612	O.3	C.0555073	6.0	0.623612
O.3	C.0555065	2.0	0.999912	O.3	C.821200	5.0	0.985061	O.3	C.0555073	42.0	0.9991958	O.4	C.0555073	6.0	0.623612	O.4	C.0555074	6.0	0.623612
C.0	C.0555068	2.0	0.999913	O.0	C.821200	5.0	0.985061	O.0	C.0555076	43.0	0.9991958	O.1	C.0555076	6.0	0.623612	O.1	C.0555077	6.0	0.623612
C.1	C.0555067	2.0	0.999912	O.1	C.821200	5.0	0.985061	O.1	C.0555077	44.0	0.9991958	O.2	C.0555077	6.0	0.623612	O.2	C.0555078	6.0	0.623612
C.2	C.0555068	2.0	0.999913	O.2	C.821200	5.0	0.985061	O.2	C.0555078	45.0	0.9991958	O.3	C.0555078	6.0	0.623612	O.3	C.0555079	6.0	0.623612
C.3	C.0555067	2.0	0.999912	O.3	C.821200	5.0	0.985061	O.3	C.0555079	46.0	0.9991958	O.4	C.0555079	6.0	0.623612	O.4	C.0555080	6.0	0.623612
O.0	C.0555082	2.0	0.999913	O.0	C.821200	5.0	0.985061	O.0	C.0555084	47.0	0.9991958	O.1	C.0555084	6.0	0.623612	O.1	C.0555085	6.0	0.623612
O.1	C.0555085	2.0	0.999912	O.1	C.821200	5.0	0.985061	O.1	C.0555085	48.0	0.9991958	O.2	C.0555085	6.0	0.623612	O.2	C.0555086	6.0	0.623612
O.2	C.0555084	2.0	0.999913	O.2	C.821200	5.0	0.985061	O.2	C.0555086	49.0	0.9991958	O.3	C.0555086	6.0	0.623612	O.3	C.0555087	6.0	0.623612
O.3	C.0555085	2.0	0.999912	O.3	C.821200	5.0	0.985061	O.3	C.0555087	50.0	0.9991958	O.4	C.0555087	6.0	0.623612	O.4	C.0555088	6.0	0.623612
C.0	C.0555088	2.0	0.999913	O.0	C.821200	5.0	0.985061	O.0	C.0555090	51.0	0.9991958	O.1	C.0555090	6.0	0.623612	O.1	C.0555091	6.0	0.623612
C.1	C.0555087	2.0	0.999912	O.1	C.821200	5.0	0.985061	O.1	C.0555091	52.0	0.9991958	O.2	C.0555091	6.0	0.623612	O.2	C.0555092	6.0	0.623612
C.2	C.0555088	2.0	0.999913	O.2	C.821200	5.0	0.985061	O.2	C.0555092	53.0	0.9991958	O.3	C.0555092	6.0	0.623612	O.3	C.0555093	6.0	0.623612
C.3	C.0555087	2.0	0.999912	O.3	C.821200	5.0	0.985061	O.3	C.0555093	54.0	0.9991958	O.4	C.0555093	6.0	0.623612	O.4	C.0555094	6.0	0.623612
O.0	C.0555096	2.0	0.999913	O.0	C.821200	5.0	0.985061	O.0	C.0555098	55.0	0.9991958	O.1	C.0555098	6.0	0.623612	O.1	C.0555099	6.0	0.623612
O.1	C.0555095	2.0	0.999912	O.1	C.821200	5.0	0.985061	O.1	C.0555099	56.0	0.9991958	O.2	C.0555099	6.0	0.623612	O.2	C.0555100	6.0	0.623612
O.2	C.0555096	2.0	0.999913	O.2	C.821200	5.0	0.985061	O.2	C.0555100	57.0	0.9991958	O.3	C.0555100	6.0	0.623612	O.3	C.0555101	6.0	0.623612
O.3	C.0555095	2.0	0.999912	O.3	C.821200	5.0	0.985061	O.3	C.0555101	58.0	0.9991958	O.4	C.0555101	6.0	0.623612	O.4	C.0555102	6.0	0.623612
C.0	C.0555104	2.0	0.999913	O.0	C.821200	5.0	0.985061	O.0	C.0555106</td										

17/17/6 CDF OF NUMBER IN SYSTEM

STATE	P(0 t)	STATE			STATE			STATE			STATE				
		P(0 t-1)	P(0 t-2)	P(0 t-3)	P(0 t-4)	P(0 t-5)	P(0 t-6)	P(0 t-7)	P(0 t-8)	P(0 t-9)	P(0 t-10)	P(0 t-11)	P(0 t-12)		
P(0 t-10)															
0	0.586611	0.364411	0	0.556102	0.08	0.995399	0	0.318012	0.01	0.701517	0.16	0.101514	0.01	0.998339	
1	0.329207	0.274716	0	0.556102	0.05	0.995399	0	0.258237	0.01	0.392514	0.16	0.191670	0.02	0.992190	
2	0.987860	0.01	0.376413	0	0.556102	0.06	0.995399	0	0.188611	0	0.265129	0.16	0.295212	0.02	0.996642
3	0.107572	0.1	0.896641	0	0.556102	0.07	0.995399	0	0.156167	0.16	0.311901	0.02	0.999812	0	0.107572
4	0.206354	0.02	0.903675	0	0.556102	0.08	0.995399	0	0.160511	0.574163	0.27	0.105328	0.02	0.997286	
5	0.155610	0.1	0.896641	0	0.556102	0.09	0.995399	0	0.104311	0.483760	0.27	0.107824	0.02	0.999384	
6	0.155610	0.1	0.896641	0	0.556102	0.1	0.995399	0	0.104311	0.483760	0.27	0.107824	0.02	0.999384	
P(0 t-9)															
0	0.301176	0	0.103176	0	0.269807	0.03	0.999438	0	0.133518	0.01	0.494339	0.24	0.292878	0.01	0.998211
1	0.161611	0.266723	0	0.494964	0.08	0.999438	0	0.205109	0.01	0.523216	0.25	0.495178	0.03	0.994661	
2	0.216867	0	0.378763	0	0.999228	0.05	0.999438	0	0.187612	0.01	0.962775	0.29	0.226207	0.01	0.999999
3	0.085174	0	0.795214	0	0.396918	0.1	0.000000	0	0.140709	0.01	0.957786	0.30	0.105777	0.01	0.999681
4	0.272124	0	0.595214	0	0.396918	0.17	0.000000	0	0.140709	0.01	0.957786	0.30	0.105777	0.01	0.999681
5	0.272124	0	0.595214	0	0.396918	0.17	0.000000	0	0.140709	0.01	0.957786	0.30	0.105777	0.01	0.999681
P(0 t-8)															
0	0.165171	0	0.165171	0	0.702278	0.01	0.996993	0	0.608612	0.02	0.209694	0.16	0.137352	0.01	0.993055
1	0.293107	0	0.764278	0	0.270668	0.01	0.996993	0	0.202727	0.01	0.155555	0.16	0.169882	0.01	0.998404
2	0.722055	0	0.632000	0	0.995973	0	0.995973	0	0.131351	0.01	0.494339	0.24	0.292878	0.01	0.998211
3	0.165565	0	0.490636	0	0.186618	0.08	0.995992	0	0.205109	0.01	0.523216	0.25	0.495178	0.03	0.994661
4	0.722258	0.01	0.795214	0	0.568800	0.05	0.999999	0	0.187612	0.01	0.962775	0.29	0.226207	0.01	0.999999
5	0.260086	0.01	0.388856	0	0.170648	0.15	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
6	0.780252	0.02	0.996565	0	0.511924	0.08	0.000000	0	0.182515	0.01	0.511316	0.24	0.165676	0.02	0.995237
7	0.236078	0.02	0.996565	0	0.511924	0.08	0.000000	0	0.182515	0.01	0.511316	0.24	0.165676	0.02	0.995237
P(0 t-7)															
0	0.903155	0.02	0.200315	0	0.613672	0.03	0.995951	0	0.271166	0.01	0.913111	0.26	0.198802	0.01	0.998081
1	0.216257	0	0.107071	0	0.254586	0.01	0.995936	0	0.196175	0.02	0.995936	0	0.108820	0.01	0.998131
2	0.260104	0	0.565710	0	0.981675	0.08	0.995936	0	0.202727	0.01	0.155555	0.16	0.169882	0.01	0.998131
3	0.127516	0	0.392750	0	0.157100	0.04	0.995936	0	0.131351	0.01	0.494339	0.24	0.292878	0.01	0.998211
4	0.599602	0	0.995936	0	0.628000	0.05	0.995936	0	0.205109	0.01	0.523216	0.25	0.495178	0.03	0.994661
5	0.207731	0.01	0.994119	0	0.568800	0.05	0.995936	0	0.187612	0.01	0.962775	0.29	0.226207	0.01	0.999999
6	0.780252	0.02	0.996565	0	0.511924	0.08	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
7	0.236078	0.02	0.996565	0	0.511924	0.08	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
P(0 t-6)															
0	0.165171	0	0.165171	0	0.702278	0.01	0.996993	0	0.608612	0.02	0.209694	0.16	0.137352	0.01	0.993055
1	0.293107	0	0.764278	0	0.270668	0.01	0.996993	0	0.202727	0.01	0.155555	0.16	0.169882	0.01	0.998131
2	0.722055	0	0.632000	0	0.995973	0	0.995973	0	0.131351	0.01	0.494339	0.24	0.292878	0.01	0.998211
3	0.165565	0	0.490636	0	0.186618	0.08	0.995992	0	0.205109	0.01	0.523216	0.25	0.495178	0.03	0.994661
4	0.722258	0.01	0.795214	0	0.568800	0.05	0.999999	0	0.187612	0.01	0.962775	0.29	0.226207	0.01	0.999999
5	0.260086	0.01	0.388856	0	0.170648	0.15	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
6	0.780252	0.02	0.996565	0	0.511924	0.08	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
7	0.236078	0.02	0.996565	0	0.511924	0.08	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
P(0 t-5)															
0	0.903155	0.02	0.200315	0	0.613672	0.03	0.995951	0	0.271166	0.01	0.913111	0.26	0.198802	0.01	0.998081
1	0.216257	0	0.107071	0	0.254586	0.01	0.995936	0	0.196175	0.02	0.995936	0	0.108820	0.01	0.998131
2	0.260104	0	0.565710	0	0.981675	0.08	0.995936	0	0.202727	0.01	0.155555	0.16	0.169882	0.01	0.998131
3	0.127516	0	0.392750	0	0.157100	0.04	0.995936	0	0.131351	0.01	0.494339	0.24	0.292878	0.01	0.998211
4	0.599602	0	0.995936	0	0.628000	0.05	0.995936	0	0.205109	0.01	0.523216	0.25	0.495178	0.03	0.994661
5	0.207731	0.01	0.994119	0	0.568800	0.05	0.995936	0	0.187612	0.01	0.962775	0.29	0.226207	0.01	0.999999
6	0.780252	0.02	0.996565	0	0.511924	0.08	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
7	0.236078	0.02	0.996565	0	0.511924	0.08	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
P(0 t-4)															
0	0.165171	0	0.165171	0	0.702278	0.01	0.996993	0	0.608612	0.02	0.209694	0.16	0.137352	0.01	0.993055
1	0.301176	0	0.103176	0	0.269807	0.03	0.999438	0	0.202727	0.01	0.155555	0.16	0.169882	0.01	0.998131
2	0.216867	0	0.378763	0	0.157100	0.04	0.999438	0	0.131351	0.01	0.494339	0.24	0.292878	0.01	0.998211
3	0.161611	0	0.795214	0	0.396918	0.08	0.999438	0	0.205109	0.01	0.523216	0.25	0.495178	0.03	0.994661
4	0.722258	0.01	0.795214	0	0.568800	0.05	0.999999	0	0.187612	0.01	0.962775	0.29	0.226207	0.01	0.999999
5	0.260086	0.01	0.388856	0	0.170648	0.15	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
6	0.780252	0.02	0.996565	0	0.511924	0.08	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
7	0.236078	0.02	0.996565	0	0.511924	0.08	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
P(0 t-3)															
0	0.165171	0	0.165171	0	0.702278	0.01	0.996993	0	0.608612	0.02	0.209694	0.16	0.137352	0.01	0.993055
1	0.301176	0	0.103176	0	0.269807	0.03	0.999438	0	0.202727	0.01	0.155555	0.16	0.169882	0.01	0.998131
2	0.216867	0	0.378763	0	0.157100	0.04	0.999438	0	0.131351	0.01	0.494339	0.24	0.292878	0.01	0.998211
3	0.161611	0	0.795214	0	0.396918	0.08	0.999438	0	0.205109	0.01	0.523216	0.25	0.495178	0.03	0.994661
4	0.722258	0.01	0.795214	0	0.568800	0.05	0.999999	0	0.187612	0.01	0.962775	0.29	0.226207	0.01	0.999999
5	0.260086	0.01	0.388856	0	0.170648	0.15	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
6	0.780252	0.02	0.996565	0	0.511924	0.08	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
7	0.236078	0.02	0.996565	0	0.511924	0.08	0.000000	0	0.150198	0.01	0.761290	0.23	0.211088	0.02	0.990672
P(0 t-2)															
0	0.165171	0	0.165171	0	0.702278	0.01	0.996993	0	0.608612	0.02	0.209694	0.16			

M/M/6 COF OF WRITING TIME IN THE QUEUE

M/M/T

CDF OF NUMBER IN SYSTEM

STATE	I	P(I=1)	P(BC=1)	STATE	I	P(I=1)	P(BC=1)	STATE	I	P(I=1)	P(BC=1)	STATE	I	P(I=1)	P(BC=1)	STATE	I	P(I=1)	P(BC=1)	
BHO=-10																				
0	-506505	0.896585	6	-0116278-00	0.999999	0	-0017227-02	0.000437	16	-1291098-01	0.961206	0	-1320000-01	0.200111	56	-5097738-02	0.657502			
1	307650	0.861693	7	-0104278-00	0.999999	1	-2329584-01	0.027711	16	-0694948-02	0.970913	1	-9300000-01	0.000001	80	-5176748-02	0.671676			
2	-121661	0.905658	8	-0104278-00	0.999999	2	-6115088-01	0.288481	16	-1268658-02	0.971898	2	-2120000-01	0.000001	60	-5447610-02	0.664600			
3	-1036606-01	0.946266	4	-0116278-00	0.999999	3	-1000000-01	0.316251	16	-0687608-02	0.987737	3	-311516-02	0.021128	62	-5111118-02	0.664600			
4	-1095792-02	0.992910	10	-0116278-00	0.999999	4	-100855	0.316251	16	-0687608-02	0.987737	4	-12327-01	0.021511	60	-5094668-02	0.708615			
5	-1095504-03	0.990000	11	-0116278-00	0.999999	5	-120903	0.413025	16	-20292-02	0.993103	5	-1617181-02	0.030203	56	-5111118-02	0.721015			
BHO=-75																				
0	-266591	0.246591	7	-51157538-02	0.999970	0	-7259668-01	0.72281	22	-1291382-02	0.996162	0	-180877-01	0.787123	75	-5126779-02	0.766676			
1	305220	0.591819	8	-01031518-02	0.999970	1	-9559999-01	0.836368	22	-1291382-02	0.996162	1	-3000000-01	0.000001	80	-5100000-02	0.766676			
2	-201660	0.83319	9	-20630238-00	0.999999	2	-1008291-01	0.890133	22	-1291382-02	0.996162	2	-177034-01	0.000001	60	-5090259-02	0.805295			
3	-1071616	0.83319	10	-01031518-02	0.999970	3	-1206848-01	0.911100	20	-0682328-03	0.999772	3	-1702052-01	0.000251	56	-5110000-02	0.805295			
4	-3007161-01	0.850720	11	-01031518-02	0.999970	4	-1212219-01	0.949325	16	-1298808-01	0.999611	4	-166424-01	0.005951	100	-2373478-02	0.655197			
5	-1051503-02	0.999776	12	-01031518-02	0.999999	5	-120903	0.413025	16	-20292-02	0.993103	5	-1617181-02	0.030203	56	-5126779-02	0.767075			
6	-2578788-02	0.999355	13	-33080318-00	0.999999	BHO=-30														
0	-266591	0.246591	7	-51157538-02	0.999970	0	-2836172-02	0.007016	16	-20301178-01	0.918487	0	-1320000-01	0.200111	56	-5126779-02	0.766676			
1	305220	0.591819	8	-01031518-02	0.999970	1	-2487048-01	0.061186	16	-1308138-01	0.947822	1	-166424-01	0.005951	100	-2373478-02	0.655197			
2	-201660	0.83319	9	-11018038-02	0.999999	2	-1003149-01	0.164200	16	-1030548-01	0.956248	2	-144651-01	0.021511	60	-5100000-02	0.910571			
3	-1050936	0.830316	10	-3542328-00	0.999981	3	-116216	0.252424	16	-0818828-02	0.966606	3	-171845-01	0.004975	11	-1517688-02	0.621672			
4	-1095240-01	0.927508	11	-1062928-00	0.999995	4	-1310162	0.192578	16	-067678-02	0.971203	4	-144651-01	0.021511	60	-5100000-02	0.910571			
5	-1061668-01	0.979169	12	-3108008-00	0.999995	5	-121688	0.114062	20	-0532498-02	0.970622	5	-171845-01	0.004975	11	-1517688-02	0.621672			
6	-1658138-02	0.997370	13	-9566738-00	0.999999	6	-7977400-01	0.065900	22	-30186-02	0.984321	6	-1207018-02	0.000251	56	-5126779-02	0.694952			
7	-1373100-02	0.998125	14	-3070038-00	0.999999	7	-1428200-01	0.060940	22	-18088-02	0.995573	7	-1255778-01	0.014640	100	-2373478-02	0.655197			
BHO=-60																				
0	-6664508-01	0.060645	10	-10393088-02	0.999908	0	-116252	0.061186	16	-1009408-01	0.997703	0	-156452-01	0.004975	11	-1517688-02	0.621672			
1	166064	0.230651	11	-0156318-02	0.999723	1	-100850	0.061186	16	-1009408-01	0.997703	1	-156452-01	0.004975	11	-1517688-02	0.621672			
2	-2373720	0.565139	12	-1626528-00	0.999981	2	-1487048-01	0.061186	16	-1308138-01	0.947822	2	-144651-01	0.005951	100	-2373478-02	0.655197			
3	-1050937	0.590059	13	-6658118-00	0.999999	3	-1003149-01	0.164200	16	-1030548-01	0.956248	3	-171845-01	0.004975	11	-1517688-02	0.621672			
4	-1055116	0.805775	14	-100850	0.061186	4	-1003149-01	0.164200	16	-1030548-01	0.956248	4	-171845-01	0.004975	11	-1517688-02	0.621672			
5	-1066766-01	0.935352	15	-100850	0.061186	5	-1003149-01	0.164200	16	-1030548-01	0.956248	5	-171845-01	0.004975	11	-1517688-02	0.621672			
6	-1066766-02	0.935352	16	-100850	0.061186	6	-1003149-01	0.164200	16	-1030548-01	0.956248	6	-171845-01	0.004975	11	-1517688-02	0.621672			
7	-1066766-03	0.935352	17	-100850	0.061186	7	-1003149-01	0.164200	16	-1030548-01	0.956248	7	-171845-01	0.004975	11	-1517688-02	0.621672			
8	-1066766-04	0.935352	18	-100850	0.061186	8	-1003149-01	0.164200	16	-1030548-01	0.956248	8	-171845-01	0.004975	11	-1517688-02	0.621672			
9	-1066766-05	0.935352	19	-100850	0.061186	9	-1003149-01	0.164200	16	-1030548-01	0.956248	9	-171845-01	0.004975	11	-1517688-02	0.621672			
BHO=-90																				
0	-6664508-01	0.060645	10	-10393088-02	0.999908	0	-1700076-02	0.001705	16	-16908-01	0.919083	0	-156452-01	0.004975	11	-1517688-02	0.621672			
1	166064	0.230651	11	-0156318-02	0.999723	1	-103718-01	0.061186	16	-127738-01	0.972780	1	-156452-01	0.004975	11	-1517688-02	0.621672			
2	-2373720	0.565139	12	-1626528-00	0.999981	2	-1026016-01	0.061186	16	-1082688-01	0.916467	2	-1066351-01	0.004975	100	-2373478-02	0.655197			
3	-1050937	0.590059	13	-6658118-00	0.999999	3	-1001658-01	0.061186	16	-0615088-02	0.970650	3	-171845-01	0.004975	11	-1517688-02	0.621672			
4	-1055116	0.805775	14	-100850	0.061186	4	-1001658-01	0.061186	16	-0615088-02	0.970650	4	-171845-01	0.004975	11	-1517688-02	0.621672			
5	-1066766-01	0.833197	15	-100850	0.061186	5	-1001658-01	0.061186	16	-0615088-02	0.970650	5	-171845-01	0.004975	11	-1517688-02	0.621672			
6	-1066766-02	0.833197	16	-100850	0.061186	6	-1001658-01	0.061186	16	-0615088-02	0.970650	6	-171845-01	0.004975	11	-1517688-02	0.621672			
7	-1066766-03	0.833197	17	-100850	0.061186	7	-1001658-01	0.061186	16	-0615088-02	0.970650	7	-171845-01	0.004975	11	-1517688-02	0.621672			
8	-1066766-04	0.833197	18	-100850	0.061186	8	-1001658-01	0.061186	16	-0615088-02	0.970650	8	-171845-01	0.004975	11	-1517688-02	0.621672			
9	-1066766-05	0.833197	19	-100850	0.061186	9	-1001658-01	0.061186	16	-0615088-02	0.970650	9	-171845-01	0.004975	11	-1517688-02	0.621672			
BHO=-120																				
0	-6664508-01	0.060645	10	-10393088-02	0.999908	0	-3700018-01	0.000014	16	-1125538-01	0.781082	0	-156452-01	0.004975	11	-1517688-02	0.621672			
1	166064	0.230645	11	-0156318-02	0.999723	1	-2800772-02	0.002044	16	-1040538-01	0.786787	1	-156452-01	0.004975	11	-1517688-02	0.621672			
2	-2373720	0.565139	12	-1626528-00	0.999981	2	-2800772-02	0.002044	16	-1040538-01	0.786787	2	-156452-01	0.004975	11	-1517688-02	0.621672			
3	-1050937	0.590059	13	-6658118-00	0.999999	3	-3104058-01	0.001114	16	-1040538-01	0.786787	3	-156452-01	0.004975	11	-1517688-02	0.621672			
4	-1055116	0.805775	14	-100850	0.061186	4	-3104058-01	0.001114	16	-1040538-01	0.786787	4	-156452-01	0.004975	11	-1517688-02	0.621672			
5	-1066766-01	0.833197	15	-100850	0.061186	5	-3104058-01	0.001114	16	-1040538-01	0.786787	5	-156452-01	0.004975	11	-1517688-02	0.621672			
6	-1066766-02	0.833197	16	-100850	0.061186	6	-3104058-01	0.001114	16	-1040538-01	0.786787	6	-156452-01	0.004975	11	-1517688-02	0.621672			
7	-1066766-03	0.833197	17	-100850	0.061186	7	-3104058-01	0.001114	16	-1040538-01	0.786787	7	-156452-01	0.004975	11	-1517688-02	0.621672			
8	-1066766-04	0.833197	18	-100850	0.061186	8	-3104058-01	0.001114	16	-1040538-01	0.786787	8	-156452-01	0.004975	11	-1517688-02	0.621672			
9	-1066766-05	0.833197	19	-100850	0.061186	9	-3104058-01	0.001114	16	-1040538-01	0.786787	9	-156452-01	0.004975	11	-1517688-02	0.621672			
BHO=-180																				
0	-6664508-01	0.060645	10	-10393088-02	0.999908	0	-3700018-01	0.000014	16	-1125538-01	0.781082	0	-156452-01	0.004975	11	-1517688-02	0.621672			
1	166064	0.230645	11	-0156318-02	0.999723</															

M/M/7 COF OF WAITING TIME IN THE QUEUE

M/MARK COF OF NUMBER IN SYSTEM

M/M/8 COF OF WAITING TIME IN THE QUEUE

M/M/9 CDF OF NUMBER IN SYSTEM

STATE		STATE		STATE		STATE		STATE	
I	P(I-1)	I	P(I-1)	I	P(I-1)	I	P(I-1)	I	P(I-1)
BMO-10									
0 . 998179	0 . 996410	1 . 999988-01	0 . 999991	0 . 1810178-02	0 . 001210	14 . 195948-01	0 . 994120	0 . 2094176-02	0 . 002921
1 . 995511	0 . 972410	1 . 999988-02	0 . 999991	0 . 1931052-02	0 . 007186	16 . 196494-01	0 . 995503	1 . 1847072-01	0 . 003236
2 . 100661	0 . 937744	1 . 999988-05	0 . 999991	2 . 2387080-01	0 . 250000	16 . 210218-01	0 . 996227	2 . 1845169-02	0 . 203122
3 . 993128-01	0 . 996582	1 . 999988-06	0 . 999991	3 . 5288828-01	0 . 784111	17 . 211028-01	0 . 996225	3 . 2920167-02	0 . 645265
4 . 1111100-01	0 . 9976757	10 . 930658-07	0 . 999991	4 . 891118-01	0 . 171174	18 . 2120168-02	0 . 991101	4 . 111114-02	0 . 111111
5 . 2000630-02	0 . 999667	11 . 930658-08	0 . 999991	5 . 1201010	0 . 291682	19 . 2650798-02	0 . 994067	5 . 111114-02	0 . 111111
BMO-20									
0 . 105298	0 . 102529	7 . 200778-07	0 . 999991	0 . 2357059-01	0 . 250000	22 . 1992858-02	0 . 999111	0 . 2092085-02	0 . 367076
1 . 297537	0 . 102035	9 . 95176-01	0 . 999991	1 . 518100-01	0 . 250000	23 . 181758-02	0 . 999505	1 . 1846057-01	0 . 008464
2 . 247701	0 . 710169	9 . 905628-06	0 . 999976	1 . 8665558-01	0 . 240411	25 . 027278-03	0 . 995111	2 . 1016777-01	0 . 004988
3 . 160670	0 . 851208	10 . 180712-08	0 . 999991	1 . 898164-01	0 . 995111	26 . 0286068-01	0 . 998111	3 . 120272-02	0 . 122176
4 . 7223015-01	0 . 941599	11 . 361238-05	0 . 999991	13 . 2611129-01	0 . 521616	30 . 706277-01	0 . 999110	13 . 171918-01	0 . 051745
5 . 2602048-01	0 . 989816	12 . 720285-06	0 . 999991	5 . 7000588-02	0 . 457624	33 . 18578-06	0 . 999991	15 . 1664955-02	0 . 331171
BMO-40									
0 . 6719057-01	0 . 067119	8 . 4077068-02	0 . 997983	0 . 881248-02	0 . 250001	14 . 2823618-01	0 . 998495	0 . 153055-02	0 . 002985
1 . 101036	0 . 246415	8 . 161228-02	0 . 999105	2 . 1561648-01	0 . 020181	15 . 181236-01	0 . 992748	1 . 155105-02	0 . 001212
2 . 246919	0 . 495176	10 . 0236138-03	0 . 999181	3 . 3752798-01	0 . 050111	17 . 184050-01	0 . 994449	2 . 1845206-02	0 . 437707
3 . 220485	0 . 710169	11 . 1270918-01	0 . 999991	5 . 972723-01	0 . 222219	19 . 1921918-02	0 . 992473	3 . 1845206-02	0 . 437707
4 . 180162	0 . 962610	12 . 303127-06	0 . 999991	6 . 116272	0 . 139361	20 . 765258-02	0 . 970294	5 . 190483-01	0 . 331165
5 . 361585-01	0 . 994921	13 . 310314-05	0 . 999991	7 . 20061	0 . 459723	21 . 590402-02	0 . 976219	7 . 197471-01	0 . 352176
6 . 139467-01	0 . 995127	15 . 10294-05	1 . 000000	8 . 694455-01	0 . 654723	22 . 476523-02	0 . 990079	9 . 20171-01	0 . 350517
7 . 7223015-01	0 . 941599	16 . 3231129-01	0 . 999991	10 . 691555-01	0 . 723211	23 . 20108-02	0 . 997835	11 . 21719-01	0 . 367076
8 . 2602048-01	0 . 989816	17 . 180118-03	0 . 999991	11 . 551765-01	0 . 277671	25 . 261320-02	0 . 990266	12 . 264885-01	0 . 331171
9 . 115120-01	0 . 994916	18 . 180118-03	0 . 999991	12 . 802759-01	0 . 822963	26 . 196561-02	0 . 992211	13 . 451011-01	0 . 371171
10 . 2729488-01	0 . 027249	19 . 305558-02	0 . 997982	13 . 750470-01	0 . 954170	27 . 197998-01	0 . 998249	14 . 166125-02	0 . 381126
11 . 405559-01	0 . 122255	20 . 122233-01	0 . 999105	14 . 750470-01	0 . 954170	28 . 197998-01	0 . 998249	15 . 171918-01	0 . 998249
12 . 760610	0 . 212201	21 . 155558-01	0 . 999105	15 . 750470-01	0 . 954170	29 . 197998-01	0 . 998249	16 . 181236-01	0 . 998249
13 . 212201	0 . 515663	22 . 155558-01	0 . 999105	16 . 750470-01	0 . 954170	30 . 197998-01	0 . 998249	17 . 181236-01	0 . 998249
14 . 181017	0 . 705080	23 . 702282-08	0 . 999991	17 . 255120-02	0 . 020288	31 . 185158-01	0 . 997308	18 . 177724-01	0 . 010163
15 . 337582-01	0 . 863212	25 . 31209-02	0 . 999976	18 . 255120-02	0 . 020288	32 . 185158-01	0 . 997308	19 . 180438-01	0 . 009713
16 . 822036-01	0 . 925212	17 . 125156-06	0 . 999991	19 . 255120-02	0 . 020288	33 . 185158-01	0 . 997308	20 . 1845206-02	0 . 437707
17 . 820236-01	0 . 964170	18 . 020662-05	0 . 999991	21 . 255120-02	0 . 020288	34 . 185158-01	0 . 997308	21 . 1845206-02	0 . 437707
18 . 199973-01	0 . 9978248	19 . 202025-05	0 . 999991	22 . 255120-02	0 . 020288	35 . 185158-01	0 . 997308	22 . 1845206-02	0 . 437707
19 . 781600-01	0 . 994916	20 . 180118-03	0 . 999991	23 . 255120-02	0 . 020288	36 . 185158-01	0 . 997308	23 . 1845206-02	0 . 437707
20 . 115120-01	0 . 994916	21 . 180118-03	0 . 999991	24 . 255120-02	0 . 020288	37 . 185158-01	0 . 997308	24 . 1845206-02	0 . 437707
21 . 115120-01	0 . 994916	22 . 180118-03	0 . 999991	25 . 255120-02	0 . 020288	38 . 185158-01	0 . 997308	25 . 1845206-02	0 . 437707
22 . 115120-01	0 . 994916	23 . 180118-03	0 . 999991	26 . 255120-02	0 . 020288	39 . 185158-01	0 . 997308	26 . 1845206-02	0 . 437707
23 . 115120-01	0 . 994916	24 . 180118-03	0 . 999991	27 . 255120-02	0 . 020288	40 . 185158-01	0 . 997308	27 . 1845206-02	0 . 437707
24 . 115120-01	0 . 994916	25 . 180118-03	0 . 999991	28 . 255120-02	0 . 020288	41 . 185158-01	0 . 997308	28 . 1845206-02	0 . 437707
25 . 115120-01	0 . 994916	26 . 180118-03	0 . 999991	29 . 255120-02	0 . 020288	42 . 185158-01	0 . 997308	29 . 1845206-02	0 . 437707
26 . 115120-01	0 . 994916	27 . 180118-03	0 . 999991	30 . 255120-02	0 . 020288	43 . 185158-01	0 . 997308	30 . 1845206-02	0 . 437707
27 . 115120-01	0 . 994916	28 . 180118-03	0 . 999991	31 . 255120-02	0 . 020288	44 . 185158-01	0 . 997308	31 . 1845206-02	0 . 437707
28 . 115120-01	0 . 994916	29 . 180118-03	0 . 999991	32 . 255120-02	0 . 020288	45 . 185158-01	0 . 997308	32 . 1845206-02	0 . 437707
29 . 115120-01	0 . 994916	30 . 180118-03	0 . 999991	33 . 255120-02	0 . 020288	46 . 185158-01	0 . 997308	33 . 1845206-02	0 . 437707
30 . 115120-01	0 . 994916	31 . 180118-03	0 . 999991	34 . 255120-02	0 . 020288	47 . 185158-01	0 . 997308	34 . 1845206-02	0 . 437707
31 . 115120-01	0 . 994916	32 . 180118-03	0 . 999991	35 . 255120-02	0 . 020288	48 . 185158-01	0 . 997308	35 . 1845206-02	0 . 437707
32 . 115120-01	0 . 994916	33 . 180118-03	0 . 999991	36 . 255120-02	0 . 020288	49 . 185158-01	0 . 997308	36 . 1845206-02	0 . 437707
33 . 115120-01	0 . 994916	34 . 180118-03	0 . 999991	37 . 255120-02	0 . 020288	50 . 185158-01	0 . 997308	37 . 1845206-02	0 . 437707
34 . 115120-01	0 . 994916	35 . 180118-03	0 . 999991	38 . 255120-02	0 . 020288	51 . 185158-01	0 . 997308	38 . 1845206-02	0 . 437707
35 . 115120-01	0 . 994916	36 . 180118-03	0 . 999991	39 . 255120-02	0 . 020288	52 . 185158-01	0 . 997308	39 . 1845206-02	0 . 437707
36 . 115120-01	0 . 994916	37 . 180118-03	0 . 999991	40 . 255120-02	0 . 020288	53 . 185158-01	0 . 997308	40 . 1845206-02	0 . 437707
37 . 115120-01	0 . 994916	38 . 180118-03	0 . 999991	41 . 255120-02	0 . 020288	54 . 185158-01	0 . 997308	41 . 1845206-02	0 . 437707
38 . 115120-01	0 . 994916	39 . 180118-03	0 . 999991	42 . 255120-02	0 . 020288	55 . 185158-01	0 . 997308	42 . 1845206-02	0 . 437707
39 . 115120-01	0 . 994916	40 . 180118-03	0 . 999991	43 . 255120-02	0 . 020288	56 . 185158-01	0 . 997308	43 . 1845206-02	0 . 437707
40 . 115120-01	0 . 994916	41 . 180118-03	0 . 999991	44 . 255120-02	0 . 020288	57 . 185158-01	0 . 997308	44 . 1845206-02	0 . 437707
41 . 115120-01	0 . 994916	42 . 180118-03	0 . 999991	45 . 255120-02	0 . 020288	58 . 185158-01	0 . 997308	45 . 1845206-02	0 . 437707
42 . 115120-01	0 . 994916	43 . 180118-03	0 . 999991	46 . 255120-02	0 . 020288	59 . 185158-01	0 . 997308	46 . 1845206-02	0 . 437707
43 . 115120-01	0 . 994916	44 . 180118-03	0 . 999991	47 . 255120-02	0 . 020288	60 . 185158-01	0 . 997308	47 . 1845206-02	0 . 437707
44 . 115120-01	0 . 994916	45 . 180118-03	0 . 999991	48 . 255120-02	0 . 020288	61 . 185158-01	0 . 997308	48 . 1845206-02	0 . 437707
45 . 115120-01	0 . 994916	46 . 180118-03	0 . 999991	49 . 255120-02	0 . 020288	62 . 185158-01	0 . 997308	49 . 1845206-02	0 . 437707
46 . 115120-01	0 . 994916	47 . 180118-03	0 . 999991	50 . 255120-02	0 . 020288	63 . 185158-01	0 . 997308	50 . 1845206-02	0 . 437707
47 . 115120-01	0 . 994916	48 . 180118-03	0 . 999991	51 . 255120-02	0 . 020288	64 . 185158-01	0 . 997308	51 . 1845206-02	0 . 437707
48 . 115120-01	0 . 994916	49 . 180118-03	0 . 999991	52 . 255120-02	0 . 020288	65 . 185158-01	0 . 997308	52 . 1845206-02	0 . 437707
49 . 115120-01	0 . 994916	50 . 180118-03	0 . 999991	53 . 255120-02	0 . 020288	66 . 185158-01	0 . 997308	53 . 1845206-02	0 . 437707
50 . 115120-01	0 . 994916	51 . 180118-03	0 . 999991	54 . 255120-02	0 . 020288	67 . 185158-01	0 . 997308	54 . 1845206-02	0 . 437707
51 . 115120-01	0 . 994916	52 . 180118-03	0 . 999991	55 . 255120-02	0 . 020288	68 . 185158-01	0 . 997308	55 . 1845206-02	0 . 437707
52 . 115120-01	0 . 994916	53 . 180118-03	0 . 999991	56 . 255120-02	0 . 020288	69 . 185158-01	0 . 997308	56 . 1845206-02	0 . 437707
53 . 115120-01	0 . 994916	54 . 180118-03	0 . 999991	57 . 255120-02	0 . 020288	70 . 185158-01	0 . 997308	57 . 1845206-02	0 . 437707
54 . 115120-01	0 . 994916	55 . 180118-03	0 . 999991	58 . 255120-02	0 . 020288	71 . 185158-01	0 . 997308	58 . 1845206-02	0 . 437707
55 . 115120-01	0 . 994916	56 . 180118-03	0 . 999991	59 . 255120-02	0 . 020288	72 . 185158-01	0 . 997308	59 . 1845206-02	0 . 437707
56 . 115120-01	0 . 994916	57 . 180118-03	0 . 999991	60 . 255120-02	0 . 020288	73 . 185158-01	0 . 997308	60 . 1845206-02	0 . 437707
57 . 115120-01	0 . 994916	58 . 180118-03	0 . 999991	61 . 255120-02	0 . 020288	74 . 185158-01	0 . 997308	61 . 1845206-02	0 . 437707
58 . 115120-01	0 . 994916	59 . 180118-03	0 . 999991	62 . 255120-02	0 . 020288	75 . 185158-01			

M/M/9 CDF OF WAITING TIME IN THE QUEUE

TIME	PERCENT	TIME	PERCENT	TIME	PERCENT	TIME	PERCENT	TIME	PERCENT	TIME	PERCENT	TIME	PERCENT	TIME	PERCENT
0.00-0.10															
G.0	1.00000			G.0	0.927767	2.1	0.927369	G.0	0.949600	10.0	0.977200	G.0	0.947270	36.0	0.982871
0.10-0.20															
G.0	0.995067	1.1	0.995067	G.0	0.931333	4.0	0.937033	G.0	0.947375	11.0	0.976317	G.0	0.948190	38.0	0.983115
G.1	0.995066	1.2	0.995066	G.0	0.932166	5.0	0.938066	G.1	0.947391	13.0	0.977103	G.1	0.948187	39.0	0.983114
G.2	0.995065	1.3	0.995065	G.0	0.932999	6.0	0.938899	G.2	0.947410	15.0	0.977203	G.2	0.948184	39.0	0.983113
G.3	0.995064	1.4	0.995064	G.0	0.933832	7.0	0.939732	G.3	0.947429	16.0	0.977301	G.3	0.948182	39.0	0.983112
G.4	0.995063	1.5	0.995063	G.0	0.934665	8.0	0.940563	G.4	0.947448	17.0	0.977400	G.4	0.948180	39.0	0.983111
G.5	0.995062	1.6	0.995062	G.0	0.935500	9.0	0.941395	G.5	0.947467	18.0	0.977500	G.5	0.948178	39.0	0.983110
G.6	0.995061	1.7	0.995061	G.0	0.936333	10.0	0.942223	G.6	0.947486	19.0	0.977600	G.6	0.948176	39.0	0.983109
G.7	0.995060	1.8	0.995060	G.0	0.937166	11.0	0.943050	G.7	0.947505	20.0	0.977700	G.7	0.948174	39.0	0.983108
G.8	0.995059	1.9	0.995059	G.0	0.937999	12.0	0.943879	G.8	0.947524	21.0	0.977800	G.8	0.948172	39.0	0.983107
G.9	0.995058	2.0	0.995058	G.0	0.938832	13.0	0.944707	G.9	0.947543	22.0	0.977900	G.9	0.948170	39.0	0.983106
G.10	0.995057	2.1	0.995057	G.0	0.939665	14.0	0.945535	G.10	0.947562	23.0	0.978000	G.10	0.948168	39.0	0.983105
G.11	0.995056	2.2	0.995056	G.0	0.940500	15.0	0.946363	G.11	0.947581	24.0	0.978100	G.11	0.948166	39.0	0.983104
G.12	0.995055	2.3	0.995055	G.0	0.941333	16.0	0.947190	G.12	0.947600	25.0	0.978200	G.12	0.948164	39.0	0.983103
G.13	0.995054	2.4	0.995054	G.0	0.942166	17.0	0.947918	G.13	0.947619	26.0	0.978300	G.13	0.948162	39.0	0.983102
G.14	0.995053	2.5	0.995053	G.0	0.942999	18.0	0.948746	G.14	0.947638	27.0	0.978400	G.14	0.948160	39.0	0.983101
G.15	0.995052	2.6	0.995052	G.0	0.943832	19.0	0.949574	G.15	0.947657	28.0	0.978500	G.15	0.948158	39.0	0.983100
G.16	0.995051	2.7	0.995051	G.0	0.944665	20.0	0.950402	G.16	0.947676	29.0	0.978600	G.16	0.948156	39.0	0.983099
G.17	0.995050	2.8	0.995050	G.0	0.945500	21.0	0.951230	G.17	0.947695	30.0	0.978700	G.17	0.948154	39.0	0.983098
0.10-0.20															
G.0	0.997083	1.1	0.997083	G.0	0.951333	4.0	0.951333	G.0	0.951333	4.0	0.951333	G.0	0.951333	4.0	0.951333
G.1	0.997082	1.2	0.997082	G.0	0.952166	5.0	0.952166	G.1	0.952166	5.0	0.952166	G.1	0.952166	5.0	0.952166
G.2	0.997081	1.3	0.997081	G.0	0.952999	6.0	0.952999	G.2	0.952999	6.0	0.952999	G.2	0.952999	6.0	0.952999
G.3	0.997080	1.4	0.997080	G.0	0.953832	7.0	0.953832	G.3	0.953832	7.0	0.953832	G.3	0.953832	7.0	0.953832
G.4	0.997079	1.5	0.997079	G.0	0.954665	8.0	0.954665	G.4	0.954665	8.0	0.954665	G.4	0.954665	8.0	0.954665
G.5	0.997078	1.6	0.997078	G.0	0.955500	9.0	0.955500	G.5	0.955500	9.0	0.955500	G.5	0.955500	9.0	0.955500
G.6	0.997077	1.7	0.997077	G.0	0.956333	10.0	0.956333	G.6	0.956333	10.0	0.956333	G.6	0.956333	10.0	0.956333
G.7	0.997076	1.8	0.997076	G.0	0.957166	11.0	0.957166	G.7	0.957166	11.0	0.957166	G.7	0.957166	11.0	0.957166
G.8	0.997075	1.9	0.997075	G.0	0.958000	12.0	0.958000	G.8	0.958000	12.0	0.958000	G.8	0.958000	12.0	0.958000
G.9	0.997074	2.0	0.997074	G.0	0.958833	13.0	0.958833	G.9	0.958833	13.0	0.958833	G.9	0.958833	13.0	0.958833
G.10	0.997073	2.1	0.997073	G.0	0.959666	14.0	0.959666	G.10	0.959666	14.0	0.959666	G.10	0.959666	14.0	0.959666
G.11	0.997072	2.2	0.997072	G.0	0.960500	15.0	0.960500	G.11	0.960500	15.0	0.960500	G.11	0.960500	15.0	0.960500
G.12	0.997071	2.3	0.997071	G.0	0.961333	16.0	0.961333	G.12	0.961333	16.0	0.961333	G.12	0.961333	16.0	0.961333
G.13	0.997070	2.4	0.997070	G.0	0.962166	17.0	0.962166	G.13	0.962166	17.0	0.962166	G.13	0.962166	17.0	0.962166
G.14	0.997069	2.5	0.997069	G.0	0.962999	18.0	0.962999	G.14	0.962999	18.0	0.962999	G.14	0.962999	18.0	0.962999
G.15	0.997068	2.6	0.997068	G.0	0.963832	19.0	0.963832	G.15	0.963832	19.0	0.963832	G.15	0.963832	19.0	0.963832
G.16	0.997067	2.7	0.997067	G.0	0.964665	20.0	0.964665	G.16	0.964665	20.0	0.964665	G.16	0.964665	20.0	0.964665
G.17	0.997066	2.8	0.997066	G.0	0.965500	21.0	0.965500	G.17	0.965500	21.0	0.965500	G.17	0.965500	21.0	0.965500
G.18	0.997065	2.9	0.997065	G.0	0.966333	22.0	0.966333	G.18	0.966333	22.0	0.966333	G.18	0.966333	22.0	0.966333
G.19	0.997064	3.0	0.997064	G.0	0.967166	23.0	0.967166	G.19	0.967166	23.0	0.967166	G.19	0.967166	23.0	0.967166
G.20	0.997063	3.1	0.997063	G.0	0.968000	24.0	0.968000	G.20	0.968000	24.0	0.968000	G.20	0.968000	24.0	0.968000
0.20-0.30															
G.0	0.997246	1.1	0.997246	G.0	0.959500	4.0	0.959500	G.0	0.959500	4.0	0.959500	G.0	0.959500	4.0	0.959500
G.1	0.997245	1.2	0.997245	G.0	0.960333	5.0	0.960333	G.1	0.960333	5.0	0.960333	G.1	0.960333	5.0	0.960333
G.2	0.997244	1.3	0.997244	G.0	0.961166	6.0	0.961166	G.2	0.961166	6.0	0.961166	G.2	0.961166	6.0	0.961166
G.3	0.997243	1.4	0.997243	G.0	0.961999	7.0	0.961999	G.3	0.961999	7.0	0.961999	G.3	0.961999	7.0	0.961999
G.4	0.997242	1.5	0.997242	G.0	0.962832	8.0	0.962832	G.4	0.962832	8.0	0.962832	G.4	0.962832	8.0	0.962832
G.5	0.997241	1.6	0.997241	G.0	0.963665	9.0	0.963665	G.5	0.963665	9.0	0.963665	G.5	0.963665	9.0	0.963665
G.6	0.997240	1.7	0.997240	G.0	0.964500	10.0	0.964500	G.6	0.964500	10.0	0.964500	G.6	0.964500	10.0	0.964500
G.7	0.997239	1.8	0.997239	G.0	0.965333	11.0	0.965333	G.7	0.965333	11.0	0.965333	G.7	0.965333	11.0	0.965333
G.8	0.997238	1.9	0.997238	G.0	0.966166	12.0	0.966166	G.8	0.966166	12.0	0.966166	G.8	0.966166	12.0	0.966166
G.9	0.997237	2.0	0.997237	G.0	0.967000	13.0	0.967000	G.9	0.967000	13.0	0.967000	G.9	0.967000	13.0	0.967000
G.10	0.997236	2.1	0.997236	G.0	0.967833	14.0	0.967833	G.10	0.967833	14.0	0.967833	G.10	0.967833	14.0	0.967833
G.11	0.997235	2.2	0.997235	G.0	0.968666	15.0	0.968666	G.11	0.968666	15.0	0.968666	G.11	0.968666	15.0	0.968666
G.12	0.997234	2.3	0.997234	G.0	0.969500	16.0	0.969500	G.12	0.969500	16.0	0.969500	G.12	0.969500	16.0	0.969500
G.13	0.997233	2.4	0.997233	G.0	0.970333	17.0	0.970333	G.13	0.970333	17.0	0.970333	G.13	0.970333	17.0	0.970333
G.14	0.997232	2.5	0.997232	G.0	0.971166	18.0	0.971166	G.14	0.971166	18.0	0.971166	G.14	0.971166	18.0	0.971166
G.15	0.997231	2.6	0.997231	G.0	0.971999	19.0	0.971999	G.15	0.971999	19.0	0.971999	G.15	0.971999	19.0	0.971999
G.16	0.997230	2.7	0.997230	G.0	0.972832	20.0	0.972832	G.16	0.972832	20.0	0.972832	G.16	0.972832	20.0	0.972832
G.17	0.997229	2.8	0.997229	G.0	0.973665	21.0	0.973665	G.17	0.973665	21.0	0.973665	G.17	0.973665	21.0	0.973665
G.18	0.997228	2.9	0.997228	G.0	0.974500	22.0	0.974500	G.18	0.974500	22.0	0.974500	G.18	0.974500	22.0	0.974500
G.19	0.997227	3.0	0.997227	G.0	0.975										

MAY 10 CDF OF NUMBER IN SYSTEM

M/M/10 COF OF WAITING TIME IN THE QUEUE

TYPE I	PERCENT T _W	TIME T _W	PERCENT T _W	TYPE I	PERCENT T _W	TIME T _W	PERCENT T _W	TYPE I	PERCENT T _W	TIME T _W	PERCENT T _W
800-10											
C.1	0.000000	0.0	0.000000	C.1	0.746489	7.0	0.733522	C.1	0.701599	10.0	0.681772
C.1	0.000000	0.0	0.000000	C.1	0.651972	7.0	0.646203	C.1	0.580672	11.0	0.560616
C.1	0.000000	0.0	0.000000	C.1	0.646237	7.0	0.641295	C.1	0.579576	12.0	0.559566
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.636100	C.1	0.578511	13.0	0.558501
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.630625	C.1	0.577523	14.0	0.557512
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.626133	C.1	0.576535	15.0	0.556503
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.622642	C.1	0.575547	16.0	0.555504
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.619151	C.1	0.574559	17.0	0.554505
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.616660	C.1	0.573571	18.0	0.553506
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.614169	C.1	0.572583	19.0	0.552507
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.612678	C.1	0.571595	20.0	0.551508
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.611187	C.1	0.570607	21.0	0.550609
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.610696	C.1	0.569619	22.0	0.549600
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.609205	C.1	0.568631	23.0	0.548601
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.607714	C.1	0.567643	24.0	0.547602
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.606223	C.1	0.566655	25.0	0.546603
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.604732	C.1	0.565667	26.0	0.545604
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.603241	C.1	0.564679	27.0	0.544605
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.601750	C.1	0.563691	28.0	0.543606
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.600259	C.1	0.562703	29.0	0.542707
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.598768	C.1	0.561715	30.0	0.541708
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.597277	C.1	0.560727	31.0	0.540709
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.595786	C.1	0.559739	32.0	0.539730
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.594295	C.1	0.558751	33.0	0.538751
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.592804	C.1	0.557763	34.0	0.537764
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.591313	C.1	0.556775	35.0	0.536775
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.589822	C.1	0.555787	36.0	0.535786
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.588331	C.1	0.554799	37.0	0.534798
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.586840	C.1	0.553811	38.0	0.533811
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.585349	C.1	0.552823	39.0	0.532822
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.583858	C.1	0.551835	40.0	0.531858
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.582367	C.1	0.550847	41.0	0.530847
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.580876	C.1	0.549859	42.0	0.529859
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.579385	C.1	0.548871	43.0	0.528871
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.577894	C.1	0.547883	44.0	0.527883
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.576403	C.1	0.546895	45.0	0.526895
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.574912	C.1	0.545907	46.0	0.525907
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.573421	C.1	0.544919	47.0	0.524919
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.571930	C.1	0.543931	48.0	0.523931
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.570439	C.1	0.542943	49.0	0.522943
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.568948	C.1	0.541955	50.0	0.521955
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.567457	C.1	0.540967	51.0	0.520967
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.565966	C.1	0.539979	52.0	0.519979
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.564475	C.1	0.538991	53.0	0.518991
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.562984	C.1	0.537993	54.0	0.517993
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.561493	C.1	0.536995	55.0	0.516995
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.560002	C.1	0.535997	56.0	0.515997
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.558511	C.1	0.534999	57.0	0.514999
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.557020	C.1	0.533991	58.0	0.513991
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.555529	C.1	0.532993	59.0	0.512993
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.554038	C.1	0.531995	60.0	0.511995
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.552547	C.1	0.530997	61.0	0.510997
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.551056	C.1	0.529999	62.0	0.509999
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.549565	C.1	0.528991	63.0	0.508991
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.548074	C.1	0.527993	64.0	0.507993
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.546583	C.1	0.526995	65.0	0.506995
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.545092	C.1	0.525997	66.0	0.505997
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.543601	C.1	0.524999	67.0	0.504999
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.542110	C.1	0.523991	68.0	0.503991
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.540619	C.1	0.522993	69.0	0.502993
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.539128	C.1	0.521995	70.0	0.501995
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.537637	C.1	0.520997	71.0	0.500997
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.536146	C.1	0.519999	72.0	0.499999
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.534655	C.1	0.518991	73.0	0.498991
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.533164	C.1	0.517993	74.0	0.497993
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.531673	C.1	0.516995	75.0	0.496995
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.530182	C.1	0.515997	76.0	0.495997
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.528691	C.1	0.514999	77.0	0.494999
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.527200	C.1	0.513991	78.0	0.493991
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.525709	C.1	0.512993	79.0	0.492993
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.524218	C.1	0.511995	80.0	0.491995
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.522727	C.1	0.510997	81.0	0.490997
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.521236	C.1	0.509999	82.0	0.489999
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.519745	C.1	0.508991	83.0	0.488991
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.518254	C.1	0.507993	84.0	0.487993
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.516763	C.1	0.506995	85.0	0.486995
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.515272	C.1	0.505997	86.0	0.485997
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.513781	C.1	0.504999	87.0	0.484999
C.1	0.000000	0.0	0.000000	C.1	0.646167	7.0	0.512290	C.1	0.503991	88.0	0.483991
C.1	0.000000	0.0	0.000000	C.1	0.646167</						

MAY/15 CDF OF NUMBER IN SYSTEM

M/M/15 COF OF WAITING TIME IN THE QUEUE

TYPE	T	PINTC(T)	TIME	PINTC(T)	TYPE	T	PINTC(T)	TIME	PINTC(T)	TYPE	T	PINTC(T)	TIME	PINTC(T)	TYPE	T	PINTC(T)	TIME	PINTC(T)
RHO=0.10					RHO=0.05					RHO=0.05					RHO=0.05				
G-C	1.CCCC0CC				G-C	C.514253	2.5	0.994255		G-C	0.553065	10.0	0.962735		G-C	0.080445	60.0	0.934607	
					G-C	C.5172402	3.0	0.995954		G-C	0.555715	11.0	0.961164		G-C	0.556249	60.0	0.931040	
					G-C	C.520050	3.5	0.974802		G-C	0.560005	12.0	0.962422		G-C	0.692242	50.0	0.944731	
					G-C	C.5207795	4.0	0.995559		G-C	0.572131	13.0	0.962413		G-C	0.694096	55.0	0.946636	
					G-C	C.5214595	4.5	0.982251C		G-C	0.579002	14.0	0.965270		G-C	0.655666	60.0	0.723565	
					G-C	C.520819	5.0	0.995094		G-C	0.555355	15.0	0.952865		G-C	0.677712	65.0	0.751627	
					G-C	C.515193	6.0	0.995505C		G-C	0.591532	16.0	0.959455		G-C	0.655519	70.0	0.775262	
					G-C	C.532085	7.0	0.952601		G-C	0.557613	17.0	0.968103		G-C	0.101314	75.0	0.941000	
					G-C	C.515193	8.0	0.994788		G-C	0.6423045	18.0	0.971647		G-C	0.144952	80.0	0.931510	
					G-C	C.537462	9.0	0.998284		G-C	0.6495205	19.0	0.971647		G-C	0.106690	90.0	0.943356	
					G-C	C.539575	10.0	0.995153		G-C	0.621044	20.0	0.977162		G-C	0.109675	95.0	0.943690	
					G-C	C.540213	11.0	0.995576		G-C	0.626088	21.0	0.983516		G-C	0.112354	100.0	0.976661	
					G-C	C.542640	12.0	0.998714		G-C	0.642746	22.0	0.990557		G-C	0.112034	110.0	0.965015	
					G-C	C.542998	13.0	0.999091		G-C	0.637721	23.0	0.993268		G-C	0.133868	120.0	0.971326	
					G-C	C.547665	14.0	0.995361		G-C	0.644355	24.0	0.994144		G-C	0.132154	130.0	0.971444	
					G-C	C.555155	15.0	0.995507		G-C	0.643476	25.0	0.994355		G-C	0.117360	140.0	0.944380	
					G-C	C.555953	16.0	0.999991		G-C	0.646620	26.0	0.994147		G-C	0.151109	150.0	0.954626	
					G-C	C.556126	17.0	0.999983		G-C	0.649275	27.0	0.994147		G-C	0.120869	160.0	0.961251	
					G-C	C.556322	18.0	0.999987		G-C	0.650119	28.0	0.997601		G-C	0.122626	170.0	0.965985	
					G-C	C.556422	19.0	0.999987		G-C	0.688902	29.0	0.998992		G-C	0.144379	180.0	0.973550	
					G-C	C.556566	20.0	0.995522		G-C	0.654264	30.0	0.995175		G-C	0.132051	190.0	0.976612	
					G-C	C.556717	21.0	0.999991		G-C	0.715021	31.0	0.999392		G-C	0.151257	210.0	0.961326	
					G-C	C.556971	22.0	0.999995		G-C	0.735916	33.0	0.999464		G-C	0.197812	220.0	0.980811	
					G-C	C.565645	23.0	0.998294		G-C	0.772660	34.0	0.999751		G-C	0.147083	230.0	0.99039	
					G-C	C.566746	24.0	0.999991		G-C	0.788883	35.0	0.999803		G-C	0.175371	240.0	0.952360	
					G-C	C.569015	25.0	0.999996		G-C	0.870987	36.0	0.999751		G-C	0.151700	250.0	0.991859	
					G-C	C.570021	26.0	0.999525		G-C	0.920159	37.0	0.999970		G-C	0.207765	260.0	0.984472	
					G-C	C.586683	27.0	0.999553		G-C	0.883036	38.0	0.999974		G-C	0.223394	270.0	0.955866	
					G-C	C.587759	28.0	0.999969		G-C	0.843232	39.0	0.999895		G-C	0.246414	280.0	0.999663	
					G-C	C.588032	29.0	0.999551		G-C	0.832665	40.0	0.999805		G-C	0.237331	290.0	0.955761	
					G-C	C.589000	30.0	0.999991		G-C	0.875112	41.0	0.999038		G-C	0.248062	300.0	0.997761	
					G-C	C.589029	31.0	0.999996		G-C	0.847303	42.0	0.999866		G-C	0.291102	310.0	0.991850	
					G-C	C.589026	32.0	0.999996		G-C	0.772660	33.0	0.999751		G-C	0.297298	320.0	0.954676	
					G-C	C.589023	33.0	0.999996		G-C	0.845223	34.0	0.999803		G-C	0.311212	330.0	0.987760	
					G-C	C.589021	34.0	0.999996		G-C	0.850523	35.0	0.999803		G-C	0.224051	340.0	0.984678	
					G-C	C.589020	35.0	0.999996		G-C	0.892175	36.0	0.999803		G-C	0.151700	350.0	0.991859	
					G-C	C.589019	36.0	0.999996		G-C	0.883036	37.0	0.999974		G-C	0.207765	360.0	0.984476	
					G-C	C.589018	37.0	0.999996		G-C	0.843232	38.0	0.999854		G-C	0.151126	370.0	0.991320	
					G-C	C.589017	38.0	0.999996		G-C	0.875112	39.0	0.999866		G-C	0.238292	380.0	0.999968	
					G-C	C.589016	39.0	0.999996		G-C	0.847303	40.0	0.999888		G-C	0.316501	390.0	0.993551	
					G-C	C.589015	40.0	0.999996		G-C	0.844355	41.0	0.999854		G-C	0.413054	400.0	0.995894	
					G-C	C.589014	41.0	0.999996		G-C	0.878711	42.0	0.999865		G-C	0.436066	410.0	0.994789	
					G-C	C.589013	42.0	0.999996		G-C	0.845718	43.0	0.993227		G-C	0.415126	420.0	0.990837	
					G-C	C.589012	43.0	0.999996		G-C	0.850169	44.0	0.993512		G-C	0.455617	430.0	0.993683	
					G-C	C.589011	44.0	0.999996		G-C	0.855361	45.0	0.993554		G-C	0.455617	440.0	0.993683	
					G-C	C.589010	45.0	0.999996		G-C	0.870836	46.0	0.993554		G-C	0.317212	450.0	0.999945	
					G-C	C.589009	46.0	0.999996		G-C	0.872921	47.0	0.999667		G-C	0.455604	460.0	0.992570	
					G-C	C.589008	47.0	0.999996		G-C	0.735622	48.0	0.999657		G-C	0.223394	470.0	0.955151	
					G-C	C.589007	48.0	0.999996		G-C	0.734905	49.0	0.999998		G-C	0.105155	480.0	0.991639	
					G-C	C.589006	49.0	0.999996		G-C	0.734905	50.0	0.999998		G-C	0.859201	490.0	0.970062	
					G-C	C.589005	50.0	0.999996		G-C	0.778035	51.0	0.999998		G-C	0.033445	500.0	0.991172	
					G-C	C.589004	51.0	0.999996		G-C	0.725151	52.0	0.999111		G-C	0.77761	510.0	0.983061	
					G-C	C.589003	52.0	0.999996		G-C	0.724797	53.0	0.999064		G-C	0.055116	520.0	0.979702	
					G-C	C.589002	53.0	0.999996		G-C	0.723823	54.0	0.999560		G-C	0.060051	530.0	0.986477	
					G-C	C.589001	54.0	0.999996		G-C	0.722740	55.0	0.999049		G-C	0.140596	540.0	0.978045	
					G-C	C.589000	55.0	0.999996		G-C	0.723823	56.0	0.999049		G-C	0.224051	550.0	0.984711	
					G-C	C.589009	56.0	0.999996		G-C	0.722740	57.0	0.999049		G-C	0.122667	560.0	0.973551	
					G-C	C.589008	57.0	0.999996		G-C	0.722740	58.0	0.999049		G-C	0.223394	570.0	0.984476	
					G-C	C.589007	58.0	0.999996		G-C	0.722740	59.0	0.999049		G-C	0.122667	580.0	0.973551	
					G-C	C.589006	59.0	0.999996		G-C	0.722740	60.0	0.999049		G-C	0.223394	590.0	0.984476	
					G-C	C.589005	60.0	0.999996		G-C	0.722740	61.0	0.999049		G-C	0.122667	600.0	0.973551	
					G-C	C.589004	61.0	0.999996		G-C	0.722740	62.0	0.999049		G-C</td				

M/M/20

CDF OF NUMBER IN SYSTEM

STATE	I	P(I=0)	P(I=1)	P(I=2)	STATE	I	P(I=0)	P(I=1)	P(I=2)	STATE	I	P(I=0)	P(I=1)	P(I=2)	STATE	I	P(I=0)	P(I=1)	P(I=2)		
BROW_10																					
0	1351315	0	0.155151	6	-1202946-01	0.995067	1	-2934648-06	0.000090	7	-9826346-01	0.996607	8	-4237216-09	0.000020	9	-8672146-02	0.977065	10	-4237216-09	0.000020
1	1706731	0	0.080600	7	-363798-02	0.995093	1	-4001607-05	0.000095	8	-1626188-01	0.996607	9	-8171938-01	0.000020	10	-8171938-01	0.000020	11	-1158084-04	0.000030
2	1706731	0	0.164677	8	-95728-02	0.995073	1	-1171230-01	0.000090	8	-92122-01	0.996607	9	-7027231-08	0.000020	10	-7027231-08	0.000020	11	-6212570-02	0.9621570
3	1800887	0	0.4577120	9	-10396-92-03	0.995050	1	-61709818-03	0.000020	17	-61736-92-03	0.996607	18	-1815139-05	0.000020	19	-737379-02	0.963808	20	-1815139-05	0.000020
4	0.0022157-01	0	0.067100	10	-30189-02-06	0.995092	1	-1595698-02	0.000279	19	-15976-58-02	0.996607	20	-6191127-09	0.000020	21	-6191127-09	0.000020	22	-2256049-01	0.9932119
5	5.3689998-01	0	0.993187	11	-59336-18-05	0.995056	1	-8652166-02	0.007211	20	-181738-01	0.996607	21	-3608058-01	0.995095	22	-137536-01	0.000020	23	-137536-01	0.000020
BNO_120																					
0	1831568-01	0	0.141416	7	-5940808-01	0.995066	1	-370872-02	0.067006	7	-1362826-01	0.994999	8	-104008-01	0.996607	9	-1817718-31	0.000020	10	-1817718-31	0.000020
1	1732626-01	0	0.291501	8	-26370-28-01	0.995037	1	-104008-01	0.996607	10	-12810-28-01	0.996607	11	-2526218-02	0.005027	12	-9236278-02	0.756126	13	-1610187-12	0.005027
2	1865125	0	0.214103	9	-1323128-01	0.995066	1	-2858518-01	0.007226	17	-2858518-01	0.996607	18	-1815139-05	0.000020	19	-1815139-05	0.000020	20	-1815139-05	0.000020
3	1951647	0	0.631610	10	-52928-02-05	0.995095	1	-70948-18-01	0.256711	25	-70948-18-01	0.996607	26	-1815139-05	0.000020	27	-1815139-05	0.000020	28	-2258598-02	0.993220
4	1.166237	0	0.628951	11	-19269-28-03	0.995076	1	-9.1171274-01	0.188424	30	-2258598-02	0.996607	31	-137536-01	0.000020	32	-137536-01	0.000020	33	-137536-01	0.000020
5	1.166237	0	0.767110	12	-584512-28-03	0.995076	1	-1.1101274-01	0.188424	30	-2258598-02	0.996607	31	-137536-01	0.000020	32	-137536-01	0.000020	33	-137536-01	0.000020
6	1.166237	0	0.444326	13	-19738-28-03	0.995024	1	-1.1101274-01	0.188424	30	-2258598-02	0.996607	31	-137536-01	0.000020	32	-137536-01	0.000020	33	-137536-01	0.000020
BNO_130																					
0	2487675-02	0	0.006797	9	-103258	0.995238	1	-1.1101274-01	0.188424	30	-1.1101274-01	0.188424	31	-1.1101274-01	0.188424	32	-1.1101274-01	0.188424	33	-1.1101274-01	0.188424
1	1887255-01	0	0.017357	10	-568185-02-01	0.995076	1	-1.1101274-01	0.188424	30	-1.1101274-01	0.188424	31	-1.1101274-01	0.188424	32	-1.1101274-01	0.188424	33	-1.1101274-01	0.188424
2	1.488175-01	0	0.995076	11	-22529-01-01	0.995076	1	-2.181468-01	0.009167	19	-2.181468-01	0.996607	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
3	1.488175-01	0	0.112208	12	-22529-01-01	0.995076	1	-2.181468-01	0.009167	19	-2.181468-01	0.996607	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
4	1.488175-01	0	0.285507	13	-1162658-02-01	0.995173	1	-5.000288-02	0.001267	19	-5.000288-02	0.996607	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
5	1.488175-01	0	0.855890	14	-515988-02-03	0.995172	1	-5.000288-02	0.001267	19	-5.000288-02	0.996607	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
6	1.488175-01	0	0.604304	15	-222018-02-03	0.995060	1	-1.1101274-01	0.188424	23	-1.1101274-01	0.188424	24	-1.1101274-01	0.188424	25	-1.1101274-01	0.188424	26	-1.1101274-01	0.188424
7	1.488175-01	0	0.741800	16	-109-12558-01	0.995076	1	-6.055166-01	0.017708	23	-6.055166-01	0.996607	24	-1.1101274-01	0.188424	25	-1.1101274-01	0.188424	26	-1.1101274-01	0.188424
BNO_140																					
0	337454-01	0	0.007317	10	-902610-18-01	0.995173	1	-12781-01	0.000000	15	-4511019-01	0.996607	16	-1.1101274-01	0.188424	17	-1.1101274-01	0.188424	18	-1.1101274-01	0.188424
1	1.16716-01	0	0.011756	11	-16126-21-01	0.995192	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
2	1.206529	0	0.042190	12	-29616-18-01	0.995192	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
3	1.572516-02	0	0.099511	13	-1612525-01	0.995231	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
4	1.166237-02	0	0.099511	14	-72682-18-01	0.995231	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
5	1.166237-02	0	0.117647	15	-11317-01-01	0.995231	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
6	1.166237-02	0	0.121377	16	-1.1101274-01	0.188424	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
7	1.166237-02	0	0.122377	17	-1.1101274-01	0.188424	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
8	1.166237-02	0	0.122377	18	-1.1101274-01	0.188424	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
9	1.166237-02	0	0.122377	19	-1.1101274-01	0.188424	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
10	1.166237-02	0	0.122377	20	-1.1101274-01	0.188424	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
11	1.166237-02	0	0.122377	21	-1.1101274-01	0.188424	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
12	1.166237-02	0	0.122377	22	-1.1101274-01	0.188424	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
BNO_150																					
0	2487675-02	0	0.000096	11	-105262	0.995166	1	-2.181468-01	0.000096	15	-352518-01	0.996607	16	-1.1101274-01	0.188424	17	-1.1101274-01	0.188424	18	-1.1101274-01	0.188424
1	1.73154-02	0	0.000096	12	-10525-01-01	0.995166	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
2	1.691039-02	0	0.000096	13	-12180-02-01	0.995166	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
3	1.691039-02	0	0.000096	14	-12180-02-01	0.995166	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
4	1.691039-02	0	0.000096	15	-12180-02-01	0.995166	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424	22	-1.1101274-01	0.188424
5	1.691039-02	0	0.000096	16	-12180-02-01	0.995166	1	-1.1101274-01	0.188424	19	-1.1101274-01	0.188424	20	-1.1101274-01	0.188424	21	-1.1101274-01	0.188424			

M/M/20 SEE RE WAITING TIME IN THE GUIDE

M/M/25 CDF OF NUMBER IN SYSTEM

STATE	I	P(I=1)	P(I<=1)	T	P(T=1)	P(T<=1)	STATE	I	P(I=1)	P(I<=1)	T	P(T=1)	P(T<=1)	STATE	I	P(I=1)	P(I<=1)	T	P(T=1)	P(T<=1)			
880~1.0																							
0 . 93000000-01	0 . 002085	0 . 2703375-01	0 . 995813	1	0 . 6900528-00	0 . 000000	10 . 5320638-01	0 . 158361	1	0 . 5124978-11	0 . 000000	14	0 . 9662117-02	0 . 534202	1	0 . 1251717-09	0 . 010000	18	0 . 9886818-02	0 . 534464			
1 . 205212	0 . 287297	7 . 9900000-02	0 . 995753	2	2 . 1230718-01	0 . 000001	15 . 7605618-01	0 . 103205	2	1 . 1537516-08	0 . 000000	16	0 . 8729539-02	0 . 572301	3	2 . 1232278-01	0 . 000000	17	0 . 6699138-01	0 . 389336			
2 . 256516	0 . 5432013	9 . 3706449-02	0 . 995866	3	2 . 7600008-03	0 . 000005	18 . 0969138-01	0 . 389336	3	1 . 1254558-07	0 . 000000	18	0 . 7670068-07	0 . 070000	4	1 . 0242808-02	0 . 509230	1	2 . 1230608-01	0 . 000005	19 . 0969138-01	0 . 389336	
4 . 123602	0 . 091178	10 . 2157258-03	0 . 995936	5	0 . 6223518-03	0 . 000041	19 . 0969138-01	0 . 389336	5	1 . 1230618-01	0 . 000000	20	0 . 7722108-02	0 . 621126	6	1 . 1230618-01	0 . 000000	21 . 0969138-01	0 . 389336				
5 . 6600098-01	0 . 957797	11 . 0900000-04	0 . 995987	6	1 . 1131329-02	0 . 000041	21 . 0969138-01	0 . 724558	6	1 . 1230618-01	0 . 000003	22	0 . 7629178-02	0 . 621126	7	1 . 1230618-01	0 . 000003	23 . 0969138-01	0 . 724558				
8 . 6600098-01	0 . 957797	11 . 0900000-04	0 . 995987	9	0 . 2651528-02	0 . 000018	22 . 62 . 16366-01	0 . 724558	9	1 . 1230618-01	0 . 000024	23 . 64 . 04642-02	0 . 504118	10	0 . 2651528-02	0 . 000018	24 . 64 . 04642-02	0 . 504118					
0 . 5737956-02	0 . 000473	7 . 100445	0 . 996452	11	0 . 5520018-02	0 . 000009	23 . 62 . 16366-01	0 . 839361	11	0 . 4970008-09	0 . 000069	24 . 58 . 27248-02	0 . 710866	12	0 . 5520018-02	0 . 000009	25 . 1100078-03	0 . 000179	13	0 . 2450158-03	0 . 000024	26 . 9761208-02	0 . 766695
1 . 1360787-01	0 . 010020	8 . 6672078-01	0 . 911906	14	0 . 1020978-01	0 . 020267	26 . 90 . 20978-01	0 . 879371	14	0 . 5400008-02	0 . 000024	27 . 42 . 02038-02	0 . 789111	15	0 . 1765008-01	0 . 000005	28 . 22 . 16108-01	0 . 932166	16	0 . 1247518-01	0 . 000003	29 . 30 . 90318-02	0 . 809372
2 . 0022098-01	0 . 124652	9 . 3026568-01	0 . 968171	17	0 . 2750578-01	0 . 000506	29 . 30 . 90318-02	0 . 978520	17	0 . 1640038-01	0 . 000003	30 . 26 . 07798-02	0 . 978520	18	0 . 1640038-01	0 . 000003	31 . 37 . 56448-02	0 . 978520					
3 . 100278	0 . 265026	10 . 1613208-01	0 . 996386	19	0 . 1776718-01	0 . 104295	31 . 37 . 56448-02	0 . 978520	19	0 . 1640038-01	0 . 000003	32 . 37 . 56448-02	0 . 978520	20	0 . 1776718-01	0 . 000003	33 . 37 . 56448-02	0 . 978520					
4 . 117717	0 . 000000	11 . 0000000-01	0 . 996386	21	0 . 1131329-02	0 . 000001	33 . 37 . 56448-02	0 . 978520	21	0 . 1640038-01	0 . 000003	34 . 37 . 56448-02	0 . 978520	22	0 . 1640038-01	0 . 000003	35 . 37 . 56448-02	0 . 978520					
5 . 1776667	0 . 615000	12 . 3042408-01	0 . 996386	23	0 . 2651528-02	0 . 000018	35 . 37 . 56448-02	0 . 978520	23	0 . 1640038-01	0 . 000003	36 . 37 . 56448-02	0 . 978520	24	0 . 1640038-01	0 . 000003	37 . 37 . 56448-02	0 . 978520					
6 . 106223	0 . 762103	13 . 1020060-01	0 . 996386	25	0 . 2651528-02	0 . 000018	37 . 37 . 56448-02	0 . 978520	25	0 . 1640038-01	0 . 000003	38 . 37 . 56448-02	0 . 978520	26	0 . 1640038-01	0 . 000003	39 . 37 . 56448-02	0 . 978520					
880~1.20																							
0 . 5737956-02	0 . 000473	7 . 100445	0 . 996452	1	0 . 5520018-02	0 . 000009	10 . 5320638-01	0 . 839361	1	0 . 4970008-09	0 . 000069	14	0 . 5827248-02	0 . 710866	2	0 . 1232278-01	0 . 000000	15 . 6166848-01	0 . 724558				
1 . 1360787-01	0 . 010020	8 . 6672078-01	0 . 911906	3	0 . 1020978-01	0 . 020267	16 . 0 . 20978-01	0 . 879371	3	0 . 1257516-08	0 . 000000	17	0 . 7605618-01	0 . 967015	4	0 . 1257516-08	0 . 000000	18 . 0 . 20978-01	0 . 967015				
2 . 0022098-01	0 . 124652	9 . 3026568-01	0 . 968171	5	0 . 2750578-01	0 . 000506	19 . 0 . 20978-01	0 . 967015	5	0 . 1257516-08	0 . 000000	20	0 . 7605618-01	0 . 967015	6	0 . 1257516-08	0 . 000000	21 . 0 . 20978-01	0 . 967015				
3 . 100278	0 . 265026	10 . 1613208-01	0 . 996386	8	0 . 1776718-01	0 . 104295	21 . 0 . 20978-01	0 . 967015	8	0 . 1257516-08	0 . 000000	22	0 . 7605618-01	0 . 967015	9	0 . 1257516-08	0 . 000000	23 . 0 . 20978-01	0 . 967015				
4 . 117717	0 . 000000	11 . 0000000-01	0 . 996386	10	0 . 1131329-02	0 . 000001	23 . 0 . 20978-01	0 . 967015	10	0 . 1257516-08	0 . 000000	24	0 . 7605618-01	0 . 967015	11	0 . 1257516-08	0 . 000000	25 . 0 . 20978-01	0 . 967015				
5 . 1776667	0 . 615000	12 . 3042408-01	0 . 996386	12	0 . 2651528-02	0 . 000018	25 . 0 . 20978-01	0 . 967015	12	0 . 1257516-08	0 . 000000	26	0 . 7605618-01	0 . 967015	13	0 . 1257516-08	0 . 000000	27 . 0 . 20978-01	0 . 967015				
6 . 106223	0 . 762103	13 . 1020060-01	0 . 996386	14	0 . 2651528-02	0 . 000018	27 . 0 . 20978-01	0 . 967015	14	0 . 1257516-08	0 . 000000	28	0 . 7605618-01	0 . 967015	15	0 . 1257516-08	0 . 000000	29 . 0 . 20978-01	0 . 967015				
880~1.5																							
0 . 5737956-02	0 . 000473	7 . 100445	0 . 996452	1	0 . 5520018-02	0 . 000009	10 . 5320638-01	0 . 998357	1	0 . 0940018-02	0 . 010338	14	0 . 2370428-02	0 . 524202	2	0 . 0940018-02	0 . 010338	15 . 6166848-01	0 . 998357				
1 . 1360787-01	0 . 010020	8 . 6672078-01	0 . 911906	3	0 . 1020978-01	0 . 020267	16 . 0 . 20978-01	0 . 998357	3	0 . 0940018-02	0 . 010338	17	0 . 2370428-02	0 . 524202	4	0 . 1221208-02	0 . 000010	18 . 0 . 20978-01	0 . 998357				
2 . 0022098-01	0 . 124652	9 . 3026568-01	0 . 968171	5	0 . 2750578-01	0 . 000506	19 . 0 . 20978-01	0 . 998357	5	0 . 1221208-02	0 . 000010	20	0 . 2370428-02	0 . 524202	6	0 . 2370428-02	0 . 000010	21 . 0 . 20978-01	0 . 998357				
3 . 100278	0 . 265026	10 . 1613208-01	0 . 996386	8	0 . 1776718-01	0 . 104295	21 . 0 . 20978-01	0 . 998357	8	0 . 1221208-02	0 . 000010	22	0 . 2370428-02	0 . 524202	9	0 . 1221208-02	0 . 000010	23 . 0 . 20978-01	0 . 998357				
4 . 117717	0 . 000000	11 . 0000000-01	0 . 996386	10	0 . 1131329-02	0 . 000001	23 . 0 . 20978-01	0 . 998357	10	0 . 1221208-02	0 . 000010	24	0 . 2370428-02	0 . 524202	11	0 . 1221208-02	0 . 000010	25 . 0 . 20978-01	0 . 998357				
5 . 1776667	0 . 615000	12 . 3042408-01	0 . 996386	12	0 . 2651528-02	0 . 000018	25 . 0 . 20978-01	0 . 998357	12	0 . 1221208-02	0 . 000010	26	0 . 2370428-02	0 . 524202	13	0 . 1221208-02	0 . 000010	27 . 0 . 20978-01	0 . 998357				
6 . 106223	0 . 762103	13 . 1020060-01	0 . 996386	14	0 . 2651528-02	0 . 000018	27 . 0 . 20978-01	0 . 998357	14	0 . 1221208-02	0 . 000010	28	0 . 2370428-02	0 . 524202	15	0 . 1221208-02	0 . 000010	29 . 0 . 20978-01	0 . 998357				
880~1.75																							
0 . 5737956-02	0 . 000473	7 . 100445	0 . 996452	1	0 . 5520018-02	0 . 000009	10 . 5320638-01	0 . 998357	1	0 . 0940018-02	0 . 010338	14	0 . 2370428-02	0 . 524202	2	0 . 0940018-02	0 . 010338	15 . 6166848-01	0 . 998357				
1 . 1360787-01	0 . 010020	8 . 6672078-01	0 . 911906	3	0 . 1020978-01	0 . 020267	16 . 0 . 20978-01	0 . 998357	3	0 . 0940018-02	0 . 010338	17	0 . 2370428-02	0 . 524202	4	0 . 1221208-02	0 . 000010	18 . 0 . 20978-01	0 . 998357				
2 . 0022098-01	0 . 124652	9 . 3026568-01	0 . 968171	5	0 . 2750578-01	0 . 000506	19 . 0 . 20978-01	0 . 998357	5	0 . 1221208-02	0 . 000010	20	0 . 2370428-02	0 . 524202	6	0 . 1221208-02	0 . 000010	21 . 0 . 20978-01	0 . 998357				
3 . 100278	0 . 265026	10 . 1613208-01	0 . 996386	8	0 . 1776718-01	0 . 104295	21 . 0 . 20978-01	0 . 998357	8	0 . 1221208-02	0 . 000010	22	0 . 2370428-02	0 . 524202	9	0 . 1221208-02	0 . 000010	23 . 0 . 20978-01	0 . 998357				
4 . 117717	0 . 000000	11 . 0000000-01	0 . 996386	10	0 . 1131329-02	0 . 000001	23 . 0 . 20978-01	0 . 998357	10	0 . 1221208-02	0 . 000010	24	0 . 2370428-02	0 . 524202	11	0 . 1221208-02	0 . 000010	25 . 0 . 20978-01	0 . 998357				
5 . 1776667	0 . 615000	12 . 3042408-01	0 . 996386	12	0 . 2651528-02	0 . 000018	25 . 0 . 20978-01	0 . 998357	12	0 . 1221208-02	0 . 000010	26	0 . 2370428-02	0 . 524202	13	0 . 1221208-02	0 . 000010	27 . 0 . 20978-01	0 . 998357				
6 . 106223	0 . 762103	13 . 1020060-01	0 . 996386	14	0 . 2651528-02	0 . 000018	27 . 0 . 20978-01	0 . 998357	14	0 . 1221208-02	0 . 000010	28	0 . 2370428-02	0 . 524202	15	0 . 1221208-02	0 . 000010	29 . 0 . 20978-01</td					

M/M/25 COF OF WAITING TIME IN THE QUEUE

Tables for M/D/c Queueing Systems

The Model: Customers arrive randomly, i.e., according to a Poisson process
(exponential distribution of interarrival times);
service times are constant;
c servers operate in parallel.

Notation: See Section 1.2.

Tables Included: L_q , $P(N = I)$ and $P(N \leq I)$, $P(WT \leq T)$ for $c = 1, 2, \dots, 10, 12, 15$.

EXPECTED LENGTH OF QUEUE FOR M/D/C

	c:	1	2	3	4
RHO					
0.10		0.55556E-02	0.12417E-02	0.28421E-03	0.65625E-04
0.20		0.25000E-01	0.96911E-02	0.39499E-02	0.15461E-02
0.30		0.64286E-01	0.33156E-01	0.18085E-01	0.10147E-01
0.40		0.13333E 00	0.82649E-01	0.54013E-01	0.36318E-01
0.50		0.25000E 00	0.17674E 00	0.13080E 00	0.99303E-01
0.55		0.33611E 00	0.25059E 00	0.19475E 00	0.15493E 00
0.60		0.45000E 00	0.35164E 00	0.28514E 00	0.23610E 00
0.65		0.60357E 00	0.49184E 00	0.41395E 00	0.35486E 00
0.70		0.81667E 00	0.69105E 00	0.60112E 00	0.53118E 00
0.75		0.11250E 01	0.98504E 00	0.88242E 00	0.80088E 00
0.80		0.16000E 01	0.14453E 01	0.13294E 01	0.12355E 01
0.85		0.24083E 01	0.22384E 01	0.21087E 01	0.20018E 01
0.90		0.40500E 01	0.38645E 01	0.37204E 01	0.35999E 01
0.95		0.90250E 01	0.88235E 01	0.86645E 01	0.85298E 01
0.98		0.24010E 02	0.23799E 02	0.23631E 02	0.23487E 02
0.99		0.49005E 02	0.48790E 02	0.48619E 02	0.48473E 02
	c:	5	6	7	8
RHO					
0.10		0.15239E-04	0.35555E-05	0.83312E-06	0.19596E-06
0.20		0.69393E-03	0.29452E-03	0.12558E-03	0.53729E-04
0.30		0.57857E-02	0.33321E-02	0.19317E-02	0.11250E-02
0.40		0.24851E-01	0.17204E-01	0.12007E-01	0.84297E-02
0.50		0.76633E-01	0.59814E-01	0.47076E-01	0.37284E-01
0.55		0.12513E 00	0.10215E 00	0.84061E-01	0.69596E-01
0.60		0.19820E 00	0.16803E 00	0.14350E 00	0.12325E 00
0.65		0.30793E 00	0.26954E 00	0.23750E 00	0.21036E 00
0.70		0.47431E 00	0.42673E 00	0.38614E 00	0.35101E 00
0.75		0.73322E 00	0.67552E 00	0.62536E 00	0.58116E 00
0.80		0.11562E 01	0.10875E 01	0.10268E 01	0.97250E 00
0.85		0.19102E 01	0.18296E 01	0.17574E 01	0.16920E 01
0.90		0.34951E 01	0.34018E 01	0.33173E 01	0.32398E 01
0.95		0.84112E 01	0.83045E 01	0.82067E 01	0.81163E 01
0.98		0.23360E 02	0.23245E 02	0.23139E 02	0.23040E 02
0.99		0.48343E 02	0.48225E 02	0.48116E 02	0.48014E 02
	c:	9	10	12	15
RHO					
0.10		0.46250E-07	0.10948E-07	0.61804E-09	0.84122E-11
0.20		0.23053E-04	0.99151E-05	0.18452E-05	0.14996E-06
0.30		0.65735E-03	0.38509E-03	0.13292E-03	0.27241E-04
0.40		0.59439E-02	0.42052E-02	0.21202E-02	0.76831E-03
0.50		0.29674E-01	0.23709E-01	0.15269E-01	0.80131E-02
0.55		0.57900E-01	0.48358E-01	0.34039E-01	0.20429E-01
0.60		0.10635E 00	0.92114E-01	0.69718E-01	0.46658E-01
0.65		0.18711E 00	0.16701E 00	0.13416E 00	0.98108E-01
0.70		0.32026E 00	0.29310E 00	0.24734E 00	0.19448E 00
0.75		0.54178E 00	0.50639E 00	0.44524E 00	0.37160E 00
0.80		0.92339E 00	0.87862E 00	0.79963E 00	0.70123E 00
0.85		0.16321E 01	0.15768E 01	0.14776E 01	0.13505E 01
0.90		0.31581E 01	0.31012E 01	0.29795E 01	0.28198E 01
0.95		0.80318E 01	0.79523E 01	0.78057E 01	0.76099E 01
0.98		0.22947E 02	0.22860E 02	0.22697E 02	0.22478E 02
0.99		0.47919E 02	0.47829E 02	0.47661E 02	0.47433E 02

M/D/1 COF OF NUMBER IN SYSTEM

M/D/1 CDF OF WAITING TIME IN THE QUEUE

M/D/2 CDF OF NUMBER IN SYSTEM

STATE	P(0=1)	P(1=1)	STATE	P(0=1)	P(1=1)	STATE	P(0=1)	P(1=1)	STATE	P(0=1)	P(1=1)	STATE	P(0=1)	P(1=1)	STATE	P(0=1)	P(1=1)	STATE	P(0=1)	P(1=1)	
SPC=10																					
0 .017765	0 .013774	1 .0 .026558E-07	1 .0 .000000	0 .161167	0 .165110	1 .0 .102319E-03	0 .999989	0 .224500E-01	0 .024940	2 .0 .975162E-02	0 .999993	0 .144100E-01	0 .277156	2 .0 .941100E-02	0 .917755	0 .164223	0 .164223	1 .0 .000000	0 .000000		
2 .165693E-01	0 .998620	0 .25442E-10	1 .0 .000000	2 .125964	0 .439353	1 .0 .252100E-02	0 .999946	1 .5 .470010E-01	0 .277156	2 .7 .96652E-01	0 .111130	2 .6 .795573E-02	0 .912744	2 .155542	0 .155542	1 .0 .000000	0 .000000	0 .111130	0 .111130		
3 .1115542-02	0 .599940	0 .194882E-11	1 .0 .000000	3 .156360	0 .823663	1 .0 .233630E-02	0 .999946	3 .1 .799949E-01	0 .229503	2 .7 .101605E-02	0 .912744	3 .1 .799949E-01	0 .101216	2 .6 .800000	0 .800000	0 .101216	0 .101216	1 .0 .000000	0 .000000		
4 .571226E-04	0 .999939	10 .509556E-11	1 .0 .000000	4 .805231E-01	0 .809059	1 .0 .466648E-03	0 .999946	4 .931650E-01	0 .101216	2 .6 .800000	0 .800000	4 .931650E-01	0 .099979	4 .235884E-05	1 .0 .000000	4 .235884E-05	1 .0 .000000	0 .000000	0 .000000		
5 .235884E-05	1 .0 .000000	11 .130400E-10	1 .0 .000000	5 .897375E-01	0 .553636	1 .0 .905464E-03	0 .999946	5 .611330E-01	0 .229503	2 .6 .800000	0 .800000	5 .611330E-01	0 .099979	5 .235884E-05	1 .0 .000000	5 .235884E-05	1 .0 .000000	0 .000000	0 .000000		
SPC=120																					
0 .661499	0 .660854	8 .292150E-07	1 .0 .000000	0 .588363E-02	0 .993052	2 .0 .460759E-06	0 .999999	0 .593987	0 .1 .086663	1 .0 .767613E-02	0 .955306	0 .101216	0 .101216	0 .999999	0 .999999	0 .101216	0 .101216	0 .999999	0 .999999		
1 .001011	0 .335000	9 .100212E-09	1 .0 .000000	9 .299582E-02	0 .996651	2 .0 .2344E-07	1 .0 .000000	9 .406672E-01	0 .580976	2 .0 .190145E-02	0 .963529	2 .0 .190145E-02	0 .963529	0 .554137E-01	0 .100212	0 .554137E-01	0 .100212	0 .999999	0 .999999		
2 .554137E-01	0 .554137	10 .100212E-09	1 .0 .000000	10 .176805E-02	0 .998416	2 .0 .119333E-01	0 .000000	10 .176805E-02	0 .998416	2 .0 .161237E-01	0 .212151	10 .161237E-01	0 .212151	0 .777765E-02	0 .999987	0 .777765E-02	0 .999987	0 .999987	0 .999987		
3 .1115542-02	0 .599987	11 .978150E-11	1 .0 .000000	11 .176805E-02	0 .998416	2 .0 .161237E-01	0 .000000	11 .176805E-02	0 .998416	2 .0 .260732E-01	0 .000000	11 .364677E-01	0 .658713	11 .310845E-02	0 .970281	11 .310845E-02	0 .970281	0 .999987	0 .999987		
4 .832358E-03	0 .599992	12 .604348E-12	1 .0 .000000	12 .395371E-02	0 .999590	2 .0 .309048E-02	0 .999999	12 .395371E-02	0 .999590	2 .0 .175752E-01	0 .000000	12 .398887E-01	0 .321052	12 .259528E-02	0 .975921	12 .259528E-02	0 .975921	0 .999999	0 .999999		
5 .740231E-04	0 .599955	13 .979507E-12	1 .0 .000000	13 .201211E-02	0 .999591	2 .0 .271752E-01	0 .000000	13 .201211E-02	0 .999591	2 .0 .147752E-01	0 .000000	13 .204770E-01	0 .321052	13 .259528E-02	0 .975921	13 .259528E-02	0 .975921	0 .999999	0 .999999		
6 .1579254E-05	0 .600000	14 .335180E-10	1 .0 .000000	14 .235884E-02	0 .999591	2 .0 .2344E-07	1 .0 .000000	14 .235884E-02	0 .999591	2 .0 .147752E-01	0 .000000	14 .235884E-02	0 .999591	15 .207702E-01	0 .089933	15 .102002E-01	0 .800159	15 .102002E-01	0 .800159	0 .999999	0 .999999
7 .019339E-06	1 .0 .000000	15 .233438E-05	1 .0 .000000	SPC=15																	
SPC=30																					
0 .3331652	0 .3331652	0 .358102E-06	1 .0 .000000	0 .132679	0 .133267	1 .0 .161228E-03	0 .999907	1 .0 .237641	0 .367323	1 .0 .161552E-06	0 .999989	1 .0 .224617	0 .032265	1 .0 .175600E-02	0 .985920	1 .0 .175600E-02	0 .985920	0 .999989	0 .999989		
1 .3331652	0 .3331652	0 .358102E-06	1 .0 .000000	2 .226211	0 .593732	1 .0 .670127E-06	0 .999936	2 .206604	0 .506742	1 .0 .217100E-03	0 .999983	2 .1 .665484E-01	0 .643162	2 .0 .127552E-02	0 .965608	2 .0 .127552E-02	0 .965608	0 .999983	0 .999983		
2 .105832	0 .2 .972232	11 .2944E-05	1 .0 .000000	3 .163220	0 .756515	1 .0 .197100E-03	0 .999983	3 .1 .665484E-01	0 .643162	3 .0 .202312E-05	0 .999988	3 .0 .246224	0 .359371	3 .0 .246224	0 .359371	0 .999988	0 .999988				
3 .2331652-01	0 .599536	12 .3234E-05	1 .0 .000000	4 .186624	0 .553732	1 .0 .902312E-05	0 .999988	4 .0 .383252E-02	0 .999937	4 .0 .300234E-05	0 .999999	4 .0 .221323E-02	0 .999926	4 .0 .221323E-02	0 .999926	0 .999999	0 .999999				
4 .396353E-02	0 .599533	13 .907572E-10	1 .0 .000000	5 .198819	0 .1 .047276	1 .0 .175752E-01	0 .999981	5 .1 .156525E-02	0 .999981	5 .0 .302312E-05	0 .999999	5 .0 .175752E-02	0 .999981	5 .0 .244937E-02	0 .999937	5 .0 .244937E-02	0 .999937	0 .999999	0 .999999		
5 .580922E-03	0 .599511	14 .519882E-11	1 .0 .000000	6 .115257	0 .982662	1 .0 .156210E-05	0 .999988	6 .0 .156525E-02	0 .999988	6 .0 .302312E-05	0 .999999	6 .0 .156525E-02	0 .999988	6 .0 .244937E-02	0 .999937	6 .0 .244937E-02	0 .999937	0 .999999	0 .999999		
6 .774215E-04	0 .599511	15 .655272E-12	1 .0 .000000	7 .199819	0 .1 .047276	1 .0 .175752E-01	0 .999981	7 .0 .156525E-02	0 .999981	7 .0 .302312E-05	0 .999999	7 .0 .156525E-02	0 .999981	7 .0 .244937E-02	0 .999937	7 .0 .244937E-02	0 .999937	0 .999999	0 .999999		
7 .993215E-05	0 .599511	16 .836242E-13	1 .0 .000000	8 .152720	0 .982662	1 .0 .156210E-05	0 .999988	8 .0 .156525E-02	0 .999988	8 .0 .302312E-05	0 .999999	8 .0 .156525E-02	0 .999988	8 .0 .244937E-02	0 .999937	8 .0 .244937E-02	0 .999937	0 .999999	0 .999999		
8 .122365E-06	1 .0 .000000	17 .106168E-13	1 .0 .000000	9 .122365E-02	0 .999591	1 .0 .156210E-05	0 .999988	9 .0 .156525E-02	0 .999988	9 .0 .302312E-05	0 .999999	9 .0 .156525E-02	0 .999988	9 .0 .244937E-02	0 .999937	9 .0 .244937E-02	0 .999937	0 .999999	0 .999999		
SPC=40																					
0 .020823	0 .020823	11 .0 .025752E-06	1 .0 .000000	0 .101856	0 .101856	1 .0 .202120E-03	0 .999962	1 .0 .291620	0 .291620	1 .0 .102120E-06	0 .999989	1 .0 .238107E-01	0 .024940	1 .0 .122151	0 .122151	1 .0 .122151	0 .122151	0 .999989	0 .999989		
1 .356158	0 .377175	12 .316521E-07	1 .0 .000000	2 .125964	0 .367323	1 .0 .161228E-03	0 .999989	2 .1 .191747	0 .1 .046422	1 .0 .000000	2 .0 .311747	0 .311747	2 .0 .166160E-01	0 .643162	2 .0 .166160E-01	0 .643162	0 .999989	0 .999989			
2 .157374	0 .336554	13 .422421E-08	1 .0 .000000	3 .206604	0 .506742	1 .0 .161228E-03	0 .999989	3 .1 .665484E-01	0 .643162	3 .0 .202312E-05	0 .999999	3 .0 .246224	0 .359371	3 .0 .246224	0 .359371	0 .999989	0 .999989				
4 .462566E-02	0 .988851	14 .124282E-08	1 .0 .000000	5 .198819	0 .1 .047276	1 .0 .175752E-01	0 .999981	5 .0 .156525E-02	0 .999981	5 .0 .302312E-05	0 .999999	5 .0 .156525E-02	0 .999981	5 .0 .244937E-02	0 .999937	5 .0 .244937E-02	0 .999937	0 .999999	0 .999999		
6 .119109E-01	0 .996762	15 .293267E-07	1 .0 .000000	7 .196203	0 .291620	1 .0 .118321E-03	0 .999989	7 .0 .118321E-02	0 .999989	7 .0 .302312E-05	0 .999999	7 .0 .118321E-02	0 .999989	7 .0 .244937E-02	0 .999937	7 .0 .244937E-02	0 .999937	0 .999999	0 .999999		
8 .205738E-02	0 .999955	16 .709858E-06	1 .0 .000000	9 .205738E-02	0 .999955	1 .0 .102120E-03	0 .999989	9 .0 .102120E-02	0 .999989	9 .0 .302312E-05	0 .999999	9 .0 .102120E-02	0 .999989	9 .0 .244937E-02	0 .999937	9 .0 .244937E-02	0 .999937	0 .999999	0 .999999		
10 .806159E-06	1 .0 .000000	17 .106168E-09	1 .0 .000000	11 .176805E-02	0 .999591	1 .0 .156210E-05	0 .999988	11 .0 .156210E-02	0 .999988	11 .0 .302312E-05	0 .999999	11 .0 .156210E-02	0 .999988	11 .0 .244937E-02	0 .999937	11 .0 .244937E-02	0 .999937	0 .999999	0 .999999		
SPC=50																					
0 .3121259	C .323259	12 .0 .127625E-05	0 .999999	0 .738486E-01	0 .073784	1 .0 .064631E-03	0 .999993	1 .0 .284942E-02	0 .999920	1 .0 .122151	0 .122151	1 .0 .122151	0 .122151	1 .0 .122151	0 .122151	1 .0 .122151	0 .122151	0 .999999	0 .999999		
1 .3343248	0 .626536	13 .0 .131214E-05	0 .999999	1 .0 .284942E-02	0 .999920	1 .0 .122151	0 .122151	1 .0 .122151	0 .122151	1 .0 .122151	0 .122151	1 .0 .122151	0 .122151	1 .0 .122151	0 .122151	1 .0 .122151	0 .122151	0 .999999	0 .999999		
2 .2151202	0 .839562	14 .0 .709858E-06	0 .999999	2 .0 .665484E-01	0 .665484	1 .0 .118321E-03	0 .999989	2 .0 .118321E-02	0 .999989	2 .0 .302312E-05	0 .999999	2 .0 .118321E-02	0 .999989	2 .0 .244937E-02	0 .999937	2 .0 .244937E-02	0 .999937	0 .999999	0 .999999		
3 .1201606	0 .988763	15 .0 .102120E-06	0 .999999	3 .0 .176805E-01	0 .176805	1 .0 .102120E-0															

M/D/2 CDF OF WAITING TIME IN THE QUEUE

TIME <i>t</i>	P(WT(i)= <i>t</i>)													
BBQ= .10														
0.0	0.992235	0.9	0.999721	1.0	0.920536	1.1	0.970189	1.2	0.767521	1.3	0.706249	1.4	0.152892	
0.1	0.995392	1.0	0.999988	1.1	0.658073	1.2	0.979316	1.3	0.803910	1.4	0.998882	1.5	0.172898	
0.2	0.998275	1.1	0.999963	1.2	0.596621	1.3	0.983892	1.4	0.862052	1.5	0.99625	1.6	0.17092	
0.3	0.998073	1.2	0.999974	1.3	0.738863	1.4	0.986795	1.5	0.842291	1.6	0.981059	1.7	0.174948	
0.4	0.993173	1.3	0.999991	1.4	0.801779	1.5	0.988779	1.6	0.823600	1.7	0.972712	1.8	0.163316	
0.5	0.993141	1.4	0.999951	1.5	0.808131	1.6	0.991853	1.7	0.847687	1.8	0.977641	1.9	0.162511	
0.6	0.994426	1.5	0.999995	1.6	0.843777	1.7	0.993716	1.8	0.816692	1.9	0.982686	2.0	0.170739	
0.7	0.998168	1.6	0.999991	1.7	0.7	0.875951	1.8	0.997706	1.9	0.737637	2.0	0.217775	2.1	0.16981
0.8	0.995118	1.7	0.999991	1.8	0.903133	1.9	0.999233	2.0	0.823998	2.1	0.300405	2.2	0.161712	
0.9	0.999706	1.8	0.999991	1.9	0.999722	2.0	0.999722	2.1	0.999722	2.2	0.329756	2.3	0.167505	
1.0	0.999706	1.9	0.999991	2.0	0.999706	2.1	0.999706	2.2	0.999706	2.3	0.359001	2.4	0.162516	
BBQ= .20														
0.0	0.925106	1.1	0.999361	1.2	0.906649	1.3	0.999914	1.4	0.827793	1.5	0.999931	1.6	0.431973	
0.1	0.996020	1.2	0.999970	1.3	0.946005	1.4	0.999970	1.5	0.856113	1.6	0.999970	1.7	0.438717	
0.2	0.995038	1.3	0.999722	1.4	0.947735	1.5	0.999919	1.6	0.862272	1.7	0.999949	1.8	0.457116	
0.3	0.994976	1.4	0.999929	1.5	0.947735	1.6	0.999929	1.7	0.822630	1.8	0.999949	1.9	0.470999	
0.4	0.973055	1.5	0.999901	1.6	0.972927	1.7	0.957980	1.8	0.999934	1.9	0.500219	2.0	0.933815	
0.5	0.999706	1.6	0.999995	1.7	0.961735	1.8	0.999995	1.9	0.972927	2.0	0.520659	2.1	0.935513	
0.6	0.999706	1.7	0.999995	1.8	0.960708	1.9	0.999995	2.0	0.972927	2.1	0.538968	2.2	0.937299	
0.7	0.999706	1.8	0.999995	1.9	0.959708	2.0	0.999995	2.1	0.972927	2.2	0.557601	2.3	0.938215	
0.8	0.999706	1.9	0.999995	2.0	0.958708	2.1	0.999995	2.2	0.972927	2.3	0.576401	2.4	0.939116	
0.9	0.999706	2.0	0.999995	2.1	0.957708	2.2	0.999995	2.3	0.972927	2.4	0.595305	2.5	0.940122	
1.0	0.999706	2.1	0.999995	2.2	0.956708	2.3	0.999995	2.4	0.972927	2.5	0.613305	2.6	0.941130	
BBQ= .30														
0.0	0.999610	1.1	0.997588	1.2	0.893512	1.3	0.999651	1.4	0.899882	1.5	0.921092	1.6	0.817756	
0.1	0.999600	1.2	0.996138	1.3	0.892187	1.4	0.998366	1.5	0.936563	1.6	0.832700	1.7	0.877356	
0.2	0.999600	1.3	0.996084	1.4	0.892196	1.5	0.998370	1.6	0.936516	1.7	0.859137	1.8	0.886687	
0.3	0.999600	1.4	0.996084	1.5	0.892196	1.6	0.998370	1.7	0.936516	1.8	0.862722	1.9	0.852611	
0.4	0.999600	1.5	0.996084	1.6	0.892196	1.7	0.998370	1.8	0.936516	1.9	0.840084	2.0	0.850084	
0.5	0.999600	1.6	0.996084	1.7	0.892196	1.8	0.998370	1.9	0.936516	2.0	0.821032	2.1	0.838084	
0.6	0.999600	1.7	0.996084	1.8	0.892196	1.9	0.998370	2.0	0.936516	2.1	0.801987	2.2	0.821018	
0.7	0.999600	1.8	0.996084	1.9	0.892196	2.0	0.998370	2.1	0.936516	2.2	0.780887	2.3	0.812057	
0.8	0.999600	1.9	0.996084	2.0	0.892196	2.1	0.998370	2.2	0.936516	2.3	0.760787	2.4	0.772007	
0.9	0.999600	2.0	0.996084	2.1	0.892196	2.2	0.998370	2.3	0.936516	2.4	0.740687	2.5	0.751406	
1.0	0.999600	2.1	0.996084	2.2	0.892196	2.3	0.998370	2.4	0.936516	2.5	0.720587	2.6	0.732306	
BBQ= .40														
0.0	0.999510	1.1	0.991251	1.2	0.770765	1.3	0.988554	1.4	0.723516	1.5	0.731948	1.6	0.346867	
0.1	0.997605	1.2	0.993543	1.3	0.786628	1.4	0.999638	1.5	0.823141	1.6	0.753207	1.7	0.357651	
0.2	0.995361	1.3	0.995316	1.4	0.822013	1.5	0.997742	1.6	0.819005	1.7	0.827571	1.8	0.365162	
0.3	0.992139	1.4	0.995316	1.5	0.823669	1.6	0.998693	1.7	0.830082	1.8	0.83531	1.9	0.373300	
0.4	0.993037	1.5	0.995316	1.6	0.849727	1.7	0.999999	1.8	0.866978	1.9	0.895137	2.0	0.381377	
0.5	0.993043	1.6	0.995316	1.7	0.857614	1.8	0.999999	1.9	0.879340	2.0	0.897299	2.1	0.389137	
0.6	0.994635	1.7	0.995316	1.8	0.866978	1.9	0.999999	2.0	0.887203	2.1	0.899557	2.2	0.397204	
0.7	0.994635	1.8	0.995316	1.9	0.876395	2.0	0.999999	2.1	0.897203	2.2	0.276038	2.3	0.395518	
0.8	0.994635	1.9	0.995316	2.0	0.885120	2.1	0.999999	2.2	0.897203	2.3	0.288708	2.4	0.395518	
0.9	0.994635	2.0	0.995316	2.1	0.893806	2.2	0.999999	2.3	0.897203	2.4	0.297203	2.5	0.395518	
1.0	0.994635	2.1	0.995316	2.2	0.902170	2.3	0.999999	2.4	0.897203	2.5	0.306163	2.6	0.395518	
BBQ= .50														
0.0	0.999510	1.1	0.999510	1.2	0.907069	1.3	0.999510	1.4	0.723516	1.5	0.731948	1.6	0.346867	
0.1	0.999510	1.2	0.999510	1.3	0.926703	1.4	0.999510	1.5	0.820667	1.6	0.827571	1.7	0.357651	
0.2	0.999510	1.3	0.999510	1.4	0.927503	1.5	0.999510	1.6	0.826516	1.7	0.83531	1.8	0.366307	
0.3	0.999510	1.4	0.999510	1.5	0.928367	1.6	0.999510	1.7	0.832316	1.8	0.844159	1.9	0.375277	
0.4	0.999510	1.5	0.999510	1.6	0.937316	1.7	0.999510	1.8	0.838203	1.9	0.852159	2.0	0.384159	
0.5	0.999510	1.6	0.999510	1.7	0.946365	1.8	0.999510	1.9	0.845116	2.0	0.860082	2.1	0.392052	
0.6	0.999510	1.7	0.999510	1.8	0.955103	1.9	0.999510	2.0	0.852052	2.1	0.868082	2.2	0.399082	
0.7	0.999510	1.8	0.999510	1.9	0.963977	2.0	0.999510	2.1	0.859052	2.2	0.875082	2.3	0.406082	
0.8	0.999510	1.9	0.999510	2.0	0.972859	2.1	0.999510	2.2	0.866032	2.3	0.882082	2.4	0.413082	
0.9	0.999510	2.0	0.999510	2.1	0.981737	2.2	0.999510	2.3	0.873032	2.4	0.889082	2.5	0.420082	
1.0	0.999510	2.1	0.999510	2.2	0.990620	2.3	0.999510	2.4	0.880032	2.5	0.896082	2.6	0.427082	
BBQ= .60														
0.0	0.999487	1.1	0.999487	1.2	0.863167	1.3	0.999487	1.4	0.723516	1.5	0.731948	1.6	0.346867	
0.1	0.999487	1.2	0.999487	1.3	0.872859	1.4	0.999487	1.5	0.820667	1.6	0.827571	1.7	0.357651	
0.2	0.999487	1.3	0.999487	1.4	0.881737	1.5	0.999487	1.6	0.826516	1.7	0.83531	1.8	0.366307	
0.3	0.999487	1.4	0.999487	1.5	0.890620	1.6	0.999487	1.7	0.832316	1.8	0.844159	1.9	0.375277	
0.4	0.999487	1.5	0.999487	1.6	0.900504	1.7	0.999487	1.8	0.838203	1.9	0.852159	2.0	0.384159	
0.5	0.999487	1.6	0.999487	1.7	0.909377	1.8	0.999487	1.9	0.845116	2.0	0.860082	2.1	0.391082	
0.6	0.999487	1.7	0.999487	1.8	0.918260	1.9	0.999487	2.0	0.852052	2.1	0.868082	2.2	0.398082	
0.7	0.999487	1.8	0.999487	1.9	0.927137	2.0	0.999487	2.1	0.859052	2.2	0.875082	2.3	0.405082	
0.8	0.999487	1.9	0.999487	2.0	0.936020	2.1	0.999487	2.2	0.866032	2.3	0.882082	2.4	0.412082	
0.9	0.999487	2.0	0.999487	2.1	0.944903	2.2	0.99948							

M/D/3 CDF OF NUMBER IN SYSTEM

M/D/3 CDF OF WAITING TIME IN THE QUEUE

TIMP	T	P(WT<=t)	TIMP	T	P(WT<=t)	TIMP	T	P(WT<=t)	TIMP	T	P(WT<=t)	TIMP	T	P(WT<=t)	
BBQ=.10															
0.0	0.999367	0.5	0.999992	0.0	0.720252	1.2	0.991008	0.0	0.848116	1.5	0.943670	0.0	0.192319	1.0	0.718809
0.1	0.997306	0.6	0.999733	0.1	0.762626	1.3	0.993536	0.1	0.897299	1.6	0.952055	0.1	0.222361	1.9	0.735700
0.2	0.998066	0.7	0.999983	0.2	0.802933	1.4	0.995375	0.2	0.958133	1.7	0.959362	0.2	0.255201	2.0	0.751669
0.3	0.998672	0.8	0.999964	0.3	0.840969	1.5	0.996697	0.3	0.959676	1.8	0.965520	0.3	0.290512	2.5	0.817990
0.4	0.999183	0.9	0.999946	0.4	0.879142	1.6	0.997942	0.4	0.963076	1.9	0.970000	0.4	0.327768	3.0	0.866607
0.5	0.999523	1.0	0.999928	0.5	0.912893	1.7	0.998290	0.5	0.965336	2.0	0.975210	0.5	0.361118	3.5	0.902234
BBQ=.15															
0.0	0.9976279	0.8	0.999932	0.0	0.967263	2.0	0.999259	0.0	0.871202	2.5	0.997016	0.0	0.277121	5.0	0.961509
0.1	0.9971984	0.9	0.999956	0.1	0.977061	2.5	0.999676	0.1	0.889178	3.0	0.999087	0.1	0.509100	6.0	0.979329
0.2	0.996688	1.0	0.999971	0.2	0.981195	3.0	0.999976	0.2	0.971623	3.5	0.999980	0.2	0.530892	7.0	0.980093
0.3	0.996173	1.1	0.999986	0.3	0.987621	3.5	0.999995	0.3	0.979190	4.0	0.999997	0.3	0.561690	8.0	0.980030
0.4	0.995757	1.2	0.999987	0.4	0.990663	4.0	0.999995	0.4	0.986959	4.0	0.999997	0.4	0.591508	9.0	0.980099
0.5	0.995160	1.3	0.999993	0.5	0.993176	4.5	0.999999	0.5	0.991217	5.0	0.999999	0.5	0.616218	10.0	0.980270
0.6	0.9947602	1.4	0.999997	0.6	0.993202	5.0	0.999995	0.6	0.993257	6.0	0.999997	0.6	0.639423	11.0	0.990275
0.7	0.9944000	1.5	0.999999	0.0	0.660170	1.3	0.987250	0.0	0.896170	1.8	0.999999	0.0	0.661216	12.0	0.999503
BBQ=.20															
0.0	0.997514	1.1	0.999732	0.0	0.723782	1.7	0.999587	0.0	0.886750	1.6	0.907333	0.0	0.200602	8.5	0.987683
0.1	0.997781	1.2	0.999946	0.1	0.771737	1.8	0.996693	0.1	0.881398	1.8	0.920686	0.1	0.222361	9.0	0.981509
0.2	0.996334	1.3	0.999913	0.2	0.803093	1.9	0.997694	0.2	0.911209	1.9	0.937167	0.2	0.255201	10.0	0.979329
0.3	0.997109	1.4	0.999954	0.3	0.826876	2.0	0.998267	0.3	0.956198	2.0	0.966771	0.3	0.290512	11.0	0.980016
0.4	0.9968018	1.5	0.999976	0.4	0.848093	2.5	0.999582	0.4	0.961126	2.5	0.971043	0.4	0.327768	12.0	0.950064
0.5	0.997096	1.6	0.999988	0.5	0.861886	3.0	0.999976	0.5	0.968615	3.0	0.980337	0.5	0.361118	13.0	0.980035
0.6	0.997451	1.7	0.999991	0.6	0.877635	3.5	0.999976	0.6	0.970015	3.5	0.980337	0.6	0.389032	14.0	0.980087
0.7	0.996606	1.8	0.999996	0.7	0.877600	4.0	0.999996	0.7	0.980386	4.0	0.999997	0.7	0.410032	15.0	0.980081
0.8	0.996170	1.9	0.999993	0.8	0.883041	4.5	0.999999	0.8	0.977287	5.5	0.999910	0.8	0.451500	16.0	0.980044
0.9	0.995200	2.0	0.999991	0.9	0.893041	5.0	0.999999	0.9	0.991391	6.0	0.998857	0.9	0.489029	17.0	0.980044
1.0	0.995561														
BBQ=.25															
0.0	0.996400	1.0	0.999935	0.0	0.700653	1.8	0.981095	0.0	0.881117	1.5	0.999994	0.0	0.200602	8.5	0.980035
0.1	0.995176	1.1	0.999900	0.1	0.727231	1.5	0.985198	0.1	0.886866	1.7	0.999997	0.1	0.237254	9.0	0.979980
0.2	0.994760	1.2	0.999900	0.2	0.780287	1.7	0.997081	0.2	0.896846	1.8	0.999997	0.2	0.270551	10.0	0.979980
0.3	0.995366	1.3	0.999983	0.3	0.785209	1.8	0.998233	0.3	0.901321	1.7	0.999997	0.3	0.300602	11.0	0.980016
0.4	0.995368	1.4	0.999975	0.4	0.868303	2.0	0.999585	0.4	0.911210	1.9	0.999996	0.4	0.330602	12.0	0.980064
0.5	0.995713	1.5	0.999986	0.5	0.877757	2.2	0.999985	0.5	0.918010	1.8	0.999997	0.5	0.361042	13.0	0.980035
0.6	0.996017	1.6	0.999996	0.6	0.898930	2.0	0.999996	0.6	0.920010	1.8	0.999997	0.6	0.390978	14.0	0.980054
0.7	0.996793	1.7	0.999996	0.7	0.919850	2.0	0.999996	0.7	0.924051	1.8	0.999997	0.7	0.420556	15.0	0.980022
0.8	0.997109	1.8	0.999996	0.8	0.927850	2.5	0.999993	0.8	0.928093	1.9	0.999926	0.8	0.451042	16.0	0.980054
0.9	0.996925	1.9	0.999990	0.9	0.946886	4.5	0.999990	0.9	0.951360	2.5	0.926053	0.9	0.489029	17.0	0.980044
1.0	0.997616	2.0	0.999991	1.0	0.957169	5.0	0.999991	1.0	0.966838	3.0	0.954015	1.0	0.519961	18.0	0.980016
BBQ=.30															
0.0	0.997727	1.1	0.999533	0.0	0.700653	1.8	0.981095	0.0	0.881117	1.5	0.999994	0.0	0.200602	8.5	0.980035
0.1	0.995116	1.2	0.999867	0.1	0.723731	1.5	0.985198	0.1	0.886866	1.7	0.999997	0.1	0.237254	9.0	0.979980
0.2	0.994696	1.3	0.999769	0.2	0.770075	1.5	0.997081	0.2	0.896846	1.8	0.999997	0.2	0.270551	10.0	0.979980
0.3	0.995911	1.4	0.999853	0.3	0.780279	1.6	0.997571	0.3	0.901321	1.7	0.999997	0.3	0.300602	11.0	0.980016
0.4	0.996242	1.5	0.999922	0.4	0.797252	1.7	0.998232	0.4	0.911210	1.9	0.999997	0.4	0.330602	12.0	0.980064
0.5	0.996865	1.6	0.999922	0.5	0.817701	1.8	0.998682	0.5	0.920051	1.9	0.999997	0.5	0.361042	13.0	0.980044
0.6	0.995289	1.7	0.999932	0.6	0.829893	1.9	0.998699	0.6	0.928051	1.8	0.999997	0.6	0.390978	14.0	0.980081
0.7	0.996975	1.8	0.999670	0.7	0.842983	2.0	0.999302	0.7	0.934277	1.8	0.999123	0.7	0.420556	15.0	0.980022
0.8	0.997976	1.9	0.999779	0.8	0.853080	2.5	0.999610	0.8	0.944087	1.8	0.999972	0.8	0.451042	16.0	0.980054
0.9	0.998623	2.0	0.999967	0.9	0.879068	3.0	0.999951	0.9	0.954087	2.0	0.999997	0.9	0.489029	17.0	0.980044
1.0	0.999076	2.0	0.999993	1.0	0.992028	3.5	0.999989	1.0	0.963076	2.0	0.999997	1.0	0.519961	18.0	0.980016
1.1	0.999310														
BBQ=.35															
0.0	0.997727	1.1	0.999533	0.0	0.700653	1.8	0.981095	0.0	0.881117	1.5	0.999994	0.0	0.200602	8.5	0.980035
0.1	0.995116	1.2	0.999867	0.1	0.723731	1.5	0.985198	0.1	0.886866	1.7	0.999997	0.1	0.237254	9.0	0.979980
0.2	0.994696	1.3	0.999769	0.2	0.770075	1.5	0.997081	0.2	0.896846	1.8	0.999997	0.2	0.270551	10.0	0.979980
0.3	0.995911	1.4	0.999853	0.3	0.780279	1.6	0.997571	0.3	0.901321	1.7	0.999997	0.3	0.300602	11.0	0.980016
0.4	0.996242	1.5	0.999922	0.4	0.797252	1.7	0.998232	0.4	0.911210	1.9	0.999997	0.4	0.330602	12.0	0.980064
0.5	0.996865	1.6	0.999922	0.5	0.817701	1.8	0.998682	0.5	0.920051	1.9	0.999997	0.5	0.361042	13.0	0.980044
0.6	0.995289	1.7	0.999932	0.6	0.829893	1.9	0.998699	0.6	0.928051	1.8	0.999997	0.6	0.390978	14.0	0.980081
0.7	0.996975	1.8	0.999670	0.7	0.842983	2.0	0.999302	0.7	0.934277	1.8	0.999123	0.7	0.420556	15.0	0.980022
0.8	0.997976	1.9	0.999779	0.8	0.853080	2.5	0.999610	0.8	0.944087	1.8	0.999972	0.8	0.451042	16.0	0.980054
0.9	0.998623	2.0	0.999967	0.9	0.879068	3.0	0.999951	0.9	0.954087	2.0	0.999997	0.9	0.489029	17.0	0.980044
1.0	0.999076	2.0	0.999993	1.0	0.992028	3.5	0.999989	1.0							

M/D/4 COF OF NUMBER IN SYSTEM

STATE I	PINCH _I	PINCH _{II}	STATE I	PINCH _I	PINCH _{II}	STATE I	PINCH _I	PINCH _{II}	STATE I	PINCH _I	PINCH _{II}	STATE I	PINCH _I	PINCH _{II}	STATE I	PINCH _I	PINCH _{II}		
RHO=-10																			
0 .670279	0 .670279	0 .302145E-05	1 .000000	0 .45062CF-01	0 .045062	16 .312981E-03	0 .999969	0 .41220CE-02	0 .004123	24 .115696E-01	0 .891936	0 .1727C9F-01	0 .021503	25 .105656E-01	0 .802404	0 .56764CE-01	0 .999922	0 .999954	
1 .268150	0 .918529	-2185957E-06	1 .000000	1 .3534C4B-01	0 .180701	17 .826892E-04	0 .999916	1 .372C9F-01	0 .021503	26 .931660E-02	0 .920170	2 .106155	0 .990052	17 .470867E-04	0 .999956	2 .347044E-01	0 .015408	23 .347044E-01	0 .015408
2 .3364C4E-01	0 .952069	0 .1095668E-07	1 .000000	3 .206817	0 .990052	18 .105184E-04	0 .999978	3 .56764CE-01	0 .999922	28 .770180F-04	0 .982072	4 .715388E-02	0 .999923	29 .105184E-01	0 .999910	4 .115249F-03	0 .999939	29 .655656E-02	0 .914029
4 .715449F-03	0 .999939	10 .193736E-10	1 .000000	5 .105182	0 .8624293	19 .109002E-04	0 .999969	5 .68764CE-01	0 .184285	30 .770180F-04	0 .982072	5 .172804E-02	0 .999994	6 .492268E-01	0 .992792	6 .492268E-01	0 .992792	6 .492268E-01	0 .992792
5 .172804E-02	0 .999994	11 .715740E-12	1 .000000	6 .492268E-01	0 .992792	16 .554973E-05	0 .999994	6 .494147E-01	0 .232123	30 .625097E-02	0 .951313	7 .350522E-01	0 .992792	7 .350522E-01	0 .992792	7 .350522E-01	0 .992792	7 .350522E-01	0 .992792
7 .350522E-02	0 .999979	12 .827928E-10	1 .000000	8 .183081E-01	0 .990920	22 .143673E-05	0 .999994	8 .500620E-01	0 .449834	31 .567627E-02	0 .956990	9 .937534E-02	0 .990295	9 .937534E-02	0 .990295	9 .937534E-02	0 .990295	9 .937534E-02	0 .990295
9 .937534E-02	0 .990295	10 .476935E-02	0 .999056	10 .476935E-02	0 .999056	26 .372107E-04	1 .000000	10 .480749E-01	0 .551162	34 .618339E-02	0 .960932	11 .242439E-02	0 .997609	11 .242439E-02	0 .997609	11 .242439E-02	0 .997609	11 .242439E-02	0 .997609
11 .242439E-02	0 .997609	12 .114327E-08	1 .000000	12 .123298E-02	0 .996722	26 .367374E-07	1 .000000	12 .392151E-01	0 .631594	36 .100303E-02	0 .951207	13 .773716E-02	0 .998567	13 .773716E-02	0 .998567	13 .773716E-02	0 .998567	13 .773716E-02	0 .998567
13 .773716E-02	0 .998567	14 .114327E-08	1 .000000	14 .622737C8-03	0 .999350	27 .490464E-07	1 .000000	14 .899644E-01	0 .701591	37 .270803E-02	0 .973907	15 .124473E-02	0 .999911	15 .124473E-02	0 .999911	15 .124473E-02	0 .999911	15 .124473E-02	0 .999911
15 .124473E-02	0 .999911	16 .375213E-12	1 .000000	16 .357592E-01	0 .333795	16 .356297E-03	0 .999914	16 .41220CE-02	0 .004123	24 .115696E-01	0 .891936	17 .350522E-01	0 .777779	17 .350522E-01	0 .777779	17 .350522E-01	0 .777779	17 .350522E-01	0 .777779
17 .350522E-02	0 .999914	18 .730217E-06	1 .000000	18 .107411	0 .1414167	17 .205525E-03	0 .999972	18 .213001E-01	0 .801079	24 .165339E-02	0 .987666	19 .174733E-01	0 .3151514	19 .174733E-01	0 .3151514	19 .174733E-01	0 .3151514	19 .174733E-01	0 .3151514
19 .174733E-01	0 .3151514	20 .118559E-03	0 .999930	20 .396622E-04	0 .999964	21 .175575E-01	0 .999999	21 .192395E-01	0 .820319	41 .167465E-02	0 .983361	22 .130937E-01	0 .637754	22 .130937E-01	0 .637754	22 .130937E-01	0 .637754	22 .130937E-01	0 .637754
22 .130937E-01	0 .637754	23 .109576E-02	0 .999940	23 .167546E-01	0 .997129	25 .251925E-05	0 .999997	23 .251925E-01	0 .110589	29 .139232E-01	0 .661172	24 .190777E-01	0 .960720	24 .190777E-01	0 .960720	24 .190777E-01	0 .960720	24 .190777E-01	0 .960720
24 .190777E-01	0 .960720	25 .165297E-05	0 .999997	25 .382347E-05	0 .999999	27 .832847E-05	0 .999999	27 .832847E-01	0 .551295	30 .133736E-01	0 .676546	27 .321034E-01	0 .777779	27 .321034E-01	0 .777779	27 .321034E-01	0 .777779	27 .321034E-01	0 .777779
27 .321034E-02	0 .999997	28 .480537E-02	0 .999913	28 .480537E-02	0 .999913	29 .483530E-04	0 .999999	29 .483530E-01	0 .551295	30 .133736E-01	0 .676546	31 .186266E-02	0 .997203	31 .186266E-02	0 .997203	31 .186266E-02	0 .997203	31 .186266E-02	0 .997203
31 .186266E-02	0 .997203	32 .109576E-02	0 .999770	32 .109576E-02	0 .999770	33 .108088E-02	0 .100000	33 .108088E-01	0 .602103	34 .118517E-01	0 .711582	34 .118517E-01	0 .711582	34 .118517E-01	0 .711582	34 .118517E-01	0 .711582	34 .118517E-01	0 .711582
34 .118517E-01	0 .711582	35 .109576E-02	0 .999999	35 .109576E-02	0 .999999	36 .118517E-01	0 .711582	36 .118517E-01	0 .711582	37 .207409E-01	0 .328115	37 .207409E-01	0 .328115	37 .207409E-01	0 .328115	37 .207409E-01	0 .328115	37 .207409E-01	0 .328115
37 .207409E-01	0 .328115	38 .109576E-02	0 .999999	38 .109576E-02	0 .999999	39 .109576E-01	0 .602103	39 .109576E-01	0 .602103	40 .251925E-01	0 .178291	40 .251925E-01	0 .178291	40 .251925E-01	0 .178291	40 .251925E-01	0 .178291	40 .251925E-01	0 .178291
40 .251925E-01	0 .178291	41 .186266E-02	0 .999999	41 .186266E-02	0 .999999	42 .123307E-01	0 .241830	42 .123307E-01	0 .241830	43 .118517E-01	0 .711582	43 .118517E-01	0 .711582	43 .118517E-01	0 .711582	43 .118517E-01	0 .711582	43 .118517E-01	0 .711582
43 .118517E-01	0 .711582	44 .186266E-02	0 .999999	44 .186266E-02	0 .999999	45 .186266E-01	0 .602103	45 .186266E-01	0 .602103	46 .207409E-01	0 .328115	46 .207409E-01	0 .328115	46 .207409E-01	0 .328115	46 .207409E-01	0 .328115	46 .207409E-01	0 .328115
46 .207409E-01	0 .328115	47 .186266E-02	0 .999999	47 .186266E-02	0 .999999	48 .130100E-01	0 .144715	48 .130100E-01	0 .144715	49 .130100E-01	0 .144715	49 .130100E-01	0 .144715	49 .130100E-01	0 .144715	49 .130100E-01	0 .144715	49 .130100E-01	0 .144715
49 .130100E-01	0 .144715	50 .186266E-02	0 .999999	50 .186266E-02	0 .999999	51 .130100E-01	0 .144715	51 .130100E-01	0 .144715	52 .186266E-01	0 .144715	52 .186266E-01	0 .144715	52 .186266E-01	0 .144715	52 .186266E-01	0 .144715	52 .186266E-01	0 .144715
52 .186266E-01	0 .144715	53 .186266E-02	0 .999999	53 .186266E-02	0 .999999	54 .130100E-01	0 .144715	54 .130100E-01	0 .144715	55 .186266E-01	0 .144715	55 .186266E-01	0 .144715	55 .186266E-01	0 .144715	55 .186266E-01	0 .144715	55 .186266E-01	0 .144715
55 .186266E-01	0 .144715	56 .186266E-02	0 .999999	56 .186266E-02	0 .999999	57 .130100E-01	0 .144715	57 .130100E-01	0 .144715	58 .186266E-01	0 .144715	58 .186266E-01	0 .144715	58 .186266E-01	0 .144715	58 .186266E-01	0 .144715	58 .186266E-01	0 .144715
58 .186266E-01	0 .144715	59 .186266E-02	0 .999999	59 .186266E-02	0 .999999	60 .130100E-01	0 .144715	60 .130100E-01	0 .144715	61 .186266E-01	0 .144715	61 .186266E-01	0 .144715	61 .186266E-01	0 .144715	61 .186266E-01	0 .144715	61 .186266E-01	0 .144715
61 .186266E-01	0 .144715	62 .186266E-02	0 .999999	62 .186266E-02	0 .999999	63 .130100E-01	0 .144715	63 .130100E-01	0 .144715	64 .186266E-01	0 .144715	64 .186266E-01	0 .144715	64 .186266E-01	0 .144715	64 .186266E-01	0 .144715	64 .186266E-01	0 .144715
64 .186266E-01	0 .144715	65 .186266E-02	0 .999999	65 .186266E-02	0 .999999	66 .130100E-01	0 .144715	66 .130100E-01	0 .144715	67 .186266E-01	0 .144715	67 .186266E-01	0 .144715	67 .186266E-01	0 .144715	67 .186266E-01	0 .144715	67 .186266E-01	0 .144715
67 .186266E-01	0 .144715	68 .186266E-02	0 .999999	68 .186266E-02	0 .999999	69 .130100E-01	0 .144715	69 .130100E-01	0 .144715	70 .186266E-01	0 .144715	70 .186266E-01	0 .144715	70 .186266E-01	0 .144715	70 .186266E-01	0 .144715	70 .186266E-01	0 .144715
70 .186266E-01	0 .144715	71 .186266E-02	0 .999999	71 .186266E-02	0 .999999	72 .130100E-01	0 .144715	72 .130100E-01	0 .144715	73 .186266E-01	0 .144715	73 .186266E-01	0 .144715	73 .186266E-01	0 .144715	73 .186266E-01	0 .144715	73 .186266E-01	0 .144715
73 .186266E-01	0 .144715	74 .186266E-02	0 .999999	74 .186266E-02	0 .999999	75 .130100E-01	0 .144715	75 .130100E-01	0 .144715	76 .186266E-01	0 .144715	76 .186266E-01	0 .144715	76 .186266E-01	0 .144715	76 .186266E-01	0 .144715	76 .186266E-01	0 .144715
76 .186266E-01	0 .144715	77 .186266E-02	0 .999999	77 .186266E-02	0 .999999	78 .130100E-01	0 .144715	78 .130100E-01	0 .144715	79 .186266E-01	0 .144715	79 .186266E-01	0 .144715	79 .186266E-01	0 .144715	79 .186266E-01	0 .144715	79 .186266E-01	0 .144715
79 .186266E-01	0 .144715	80 .186266E-02	0 .999999	80 .186266E-02	0 .999999	81 .130100E-01	0 .144715	81 .130100E-01	0 .144715	82 .186266E-01	0 .144715	82 .186266E-01	0 .144715	82 .186266E-01	0 .144715	82 .186266E-01	0 .144715	82 .186266E-01	0 .144715
82 .186266E-01	0 .144715	83 .186266E-02	0 .999999	83 .186266E-02	0 .999999	84 .130100E-01	0 .144715	84 .130100E-01	0 .144715	85 .186266E-01	0 .144715	85 .186266E-01	0 .144715	85 .186266E-01	0 .144715	85 .186266E-01	0 .144715	85 .186266E-01	0 .144715
85 .186266E-01	0 .144715	86 .186266E-02	0 .999999	86 .186266E-02	0 .999999	87 .130100E-01	0 .144715	87 .130100E-01	0 .										

M/D/4 CDF OF WAITING TIME IN THE QUEUE

TIME	T	P(DTC=0)	TIME	T	P(DTC=0)	TIME	T	P(DTC=0)	TIME	T	P(DTC=0)	TIME	T	P(DTC=0)	TIME	T	P(DTC=0)	
800-10																		
0.0	0.999223	0.5	0.999493	0.0	0.760410	1.1	0.999792	0.0	0.309563	1.6	0.997129	0.0	0.220963	1.6	0.779391			
0.1	0.999670	0.6	0.99976	0.2	0.667470	1.2	0.999871	0.2	0.346000	1.6	0.997129	0.2	0.260602	1.6	0.779391			
0.2	0.999661	0.7	0.99982	0.3	0.661621	1.3	0.999913	0.3	0.350521	1.6	0.997165	0.2	0.196912	1.6	0.732177			
0.3	0.999793	0.8	0.999848	0.4	0.529995	1.4	0.999953	0.4	0.379093	1.6	0.997151	0.2	0.272126	1.6	0.777151			
0.4	0.999966			0.5	0.527270	1.5	0.999967	0.5	0.379300	1.9	0.997022	0.5	0.49525	2.5	0.999660			
800-15																		
0.0	0.999629	0.5	0.999842	0.7	0.561150	1.7	0.999972	0.5	0.319120	2.0	0.997395	0.6	0.498030	3.0	0.997025			
0.1	0.999350	0.6	0.999795	0.8	0.560522	1.8	0.999979	0.6	0.309150	2.5	0.997190	0.8	0.399950	3.5	0.999511			
0.2	0.999349	0.7	0.999794	0.9	0.560522	1.9	0.999979	0.9	0.319150	2.5	0.997190	0.9	0.376557	3.5	0.999511			
0.3	0.997322	0.8	0.999794	1.0	0.555110	2.0	0.999970	1.0	0.319150	2.5	0.997190	1.1	0.660066	6.0	0.992175			
0.4	0.999851			0.5	0.555110	2.1	0.999970	1.1	0.319150	2.5	0.997190	1.2	0.691176	7.0	0.976776			
0.5	0.999196	1.1	0.999970	800-16														
0.0	0.999330			0.0	0.720530	1.2	0.999752	0.0	0.321710	1.6	0.997200	0.0	0.220963	1.6	0.779391			
0.1	0.999223			0.2	0.832323	1.3	0.999757	0.2	0.346000	1.6	0.997200	0.2	0.260602	1.6	0.779391			
0.2	0.999216			0.3	0.864420	1.4	0.999761	0.3	0.346000	1.7	0.997200	0.3	0.115660	6.0	0.920170			
0.3	0.999216			0.4	0.866962	1.5	0.999761	0.4	0.346000	1.7	0.997200	0.4	0.366960	7.0	0.920170			
0.4	0.999216			0.5	0.929529	1.7	0.99977	0.5	0.346000	1.8	0.997200	0.5	0.366960	7.0	0.920170			
0.5	0.999850			0.6	0.952090	1.9	0.99977	0.6	0.346000	1.9	0.997200	0.6	0.366960	7.0	0.920170			
0.6	0.999305	1.2	0.999795	0.7	0.968310	1.9	0.99977	0.7	0.346000	2.0	0.997200	0.7	0.366960	7.0	0.920170			
0.7	0.999201	1.3	0.999795	0.8	0.968310	2.0	0.99977	0.8	0.346000	2.0	0.997200	0.8	0.366960	7.0	0.920170			
0.8	0.999167	1.4	0.999795	0.9	0.968310	2.1	0.99977	0.9	0.346000	2.0	0.997200	0.9	0.366960	7.0	0.920170			
0.9	0.990254	1.5	0.999795	1.0	0.990063	1.9	0.99977	1.0	0.346000	2.0	0.997200	1.0	0.366960	7.0	0.920170			
1.0	0.990254			1.1	0.993055	2.0	0.99977	1.1	0.346000	2.0	0.997200	1.1	0.366960	7.0	0.920170			
800-18																		
0.0	0.910963	1.0	0.99997	800-15														
0.1	0.910810	1.1	0.99998	0.0	0.663020	1.1	0.99998	0.0	0.321710	1.6	0.997200	0.0	0.617020	8.0	0.827290			
0.2	0.910810	1.2	0.99998	0.1	0.717617	1.2	0.99998	0.1	0.321710	1.6	0.997200	0.1	0.178251	7.0	0.672001			
0.3	0.910810	1.3	0.99998	0.2	0.719370	1.3	0.99998	0.2	0.321710	1.6	0.997200	0.2	0.320506	8.0	0.731000			
0.4	0.910769	1.4	0.99998	0.3	0.817070	1.5	0.99998	0.3	0.321710	1.6	0.997200	0.3	0.320506	8.0	0.731000			
0.5	0.910810	1.5	0.99998	0.4	0.868392	1.7	0.99998	0.4	0.321710	1.6	0.997200	0.4	0.693160	10.0	0.807100			
0.6	0.910779	1.6	0.99998	0.5	0.896520	1.8	0.99998	0.5	0.321710	1.6	0.997200	0.5	0.693160	10.0	0.807100			
0.7	0.910695	1.7	0.99998	0.6	0.910010	1.9	0.99998	0.6	0.321710	1.6	0.997200	0.6	0.693160	10.0	0.807100			
0.8	0.910581	1.8	0.99998	0.7	0.917045	2.0	0.99998	0.7	0.321710	1.6	0.997200	0.7	0.693160	10.0	0.807100			
0.9	0.910581	1.9	0.99998	0.8	0.926211	2.1	0.99998	0.8	0.321710	1.6	0.997200	0.8	0.693160	10.0	0.807100			
1.0	0.910581			0.9	0.972160	2.0	0.99998	0.9	0.321710	1.6	0.997200	0.9	0.693160	10.0	0.807100			
800-18																		
0.0	0.810700	1.1	0.99998	800-10														
0.1	0.811567	1.2	0.99998	0.0	0.65052	1.2	0.99998	0.0	0.326642	1.5	0.997777	0.0	0.617020	8.0	0.827290			
0.2	0.810820	1.3	0.99998	0.1	0.667519	1.3	0.99998	0.1	0.326642	1.5	0.997777	0.1	0.178251	7.0	0.672001			
0.3	0.810820	1.4	0.99998	0.2	0.704661	1.4	0.99998	0.2	0.326642	1.5	0.997777	0.2	0.320506	8.0	0.731000			
0.4	0.810820	1.5	0.99998	0.3	0.723050	1.5	0.99998	0.3	0.326642	1.5	0.997777	0.3	0.320506	8.0	0.731000			
0.5	0.810820	1.6	0.99998	0.4	0.757150	1.6	0.99998	0.4	0.326642	1.5	0.997777	0.4	0.320506	8.0	0.731000			
0.6	0.810820	1.7	0.99998	0.5	0.787350	1.7	0.99998	0.5	0.326642	1.5	0.997777	0.5	0.320506	8.0	0.731000			
0.7	0.810820	1.8	0.99998	0.6	0.817200	1.8	0.99998	0.6	0.326642	1.5	0.997777	0.6	0.320506	8.0	0.731000			
0.8	0.810820	1.9	0.99998	0.7	0.851207	1.9	0.99998	0.7	0.326642	1.5	0.997777	0.7	0.320506	8.0	0.731000			
0.9	0.810790	2.0	0.99998	0.8	0.887329	1.9	0.99998	0.8	0.326642	1.5	0.997777	0.8	0.320506	8.0	0.731000			
1.0	0.810790	2.1	0.99998	0.9	0.915567	2.0	0.99998	0.9	0.326642	1.5	0.997777	0.9	0.320506	8.0	0.731000			
800-10																		
0.0	0.999961			0.0	0.999961			0.1	0.999961			0.1	0.999961			0.2	0.999961	
0.1	0.999961			0.1	0.999961			0.2	0.999961			0.2	0.999961			0.3	0.999961	
0.2	0.999961			0.2	0.999961			0.3	0.999961			0.3	0.999961			0.4	0.999961	
0.3	0.999961			0.3	0.999961			0.4	0.999961			0.4	0.999961			0.5	0.999961	
0.4	0.999961			0.4	0.999961			0.5	0.999961			0.5	0.999961			0.6	0.999961	
0.5	0.999961			0.5	0.999961			0.6	0.999961			0.6	0.999961			0.7	0.999961	
0.6	0.999961			0.6	0.999961			0.7	0.999961			0.7	0.999961			0.8	0.999961	
0.7	0.999961			0.7	0.999961			0.8	0.999961			0.8	0.999961			0.9	0.999961	
0.8	0.999961			0.8	0.999961			0.9	0.999961			0.9	0.999961			1.0	0.999961	
0.9	0.999961			0.9	0.999961			1.0	0.999961			1.0	0.999961			1.1	0.999961	
1.0	0.999961			1.0	0.999961			1.1	0.999961			1.1	0.999961			1.2	0.999961	

M/D/5 CDF OF NUMBER IN SYSTEM

STATE	PIN#-11	STATE	PIN#-11	STATE	PIN#-11	STATE	PIN#-11	STATE	PIN#-11	STATE	PIN#-11	STATE	PIN#-11	STATE	PIN#-11	STATE	PIN#-11	STATE	PIN#-11
RHO=.10																			
0	-606522	0.606227	0	-131817079-06	0.999999	0	-2366377E-01	0.023655	16	-5753336E-03	0.999403	0	-110504E-02	0.001710	26	-126362E-01	0.801991		
1	-3C05701	0.905701	7	-9900406-06	1.000000	1	-05644CE-01	0.1C9295	15	-297732E-03	0.999967	1	-182675E-02	0.101034	25	-119140E-01	0.809305		
2	-259149E-01	0.959511	8	-5800257-07	1.000000	2	-156573	0.265688	16	-164992E-03	0.999964	2	-227519E-01	0.031340	26	-103100E-01	0.903713		
3	-126372E-01	0.959265	9	-326780F-06	1.000000	3	-195313	0.493901	17	-750273E-04	0.999921	3	-607272E-01	0.373910	27	-912180E-02	0.913028		
4	-157970E-02	0.959926	10	-161636E-09	1.000000	4	-182582	0.611683	17	-932917E-04	0.999960	4	-568225E-01	0.130573	28	-8412C0E-02	0.921465		
5	-157907E-03	0.959989	11	-763502E-11	1.000000	5	-151622	0.793203	19	-196403E-08	0.999980	5	-668459E-01	0.139617	29	-759866E-02	0.929030		
RHO=.20																			
0	-367655	0.367655	0	-9246637E-05	0.999999	0	-165554E-01	0.963446	16	-297723E-03	0.999997	0	-814524E-01	0.092521	25	-506393E-02	0.961103		
1	-567655	0.755500	9	-103349E-05	1.000000	1	-059008E-02	0.951051	16	-670648E-06	0.999999	1	-127212E-01	0.507295	26	-456191E-02	0.965739		
2	-181090	0.919555	10	-161624E-06	1.000000	2	-161035E-02	0.995751	15	-311212E-06	1.000000	2	-176338E-01	0.521633	25	-412720E-02	0.961531		
3	-611010E-01	0.940055	11	-959739E-06	1.000000	3	-227600E-02	0.95767	16	-173636E-06	1.000000	3	-386898E-01	0.638693	27	-336762E-02	0.960553		
4	-157035E-02	0.959902	12	-816298E-09	1.000000	4	-131312E-02	0.950829	17	-003726E-07	1.000000	4	-34944E-01	0.673639	28	-304172E-02	0.971593		
5	-307035E-03	0.959902	13	-664665E-10	1.000000	5	-151412E-03	0.948161	15	-001016E-08	0.999980	5	-313660E-01	0.707205	29	-274759E-02	0.976153		
RHO=.35																			
0	-2222104	0.2222104	0	-258235E-06	0.999995	0	-164419E-01	0.016642	16	-757008E-03	0.997716	0	-110555E-02	0.001590	26	-416176E-01	0.979965		
1	-3333906	0.556070	10	-402919E-05	0.999999	1	-650536E-01	0.016175	17	-111704E-05	0.999999	1	-222122E-01	0.001573	27	-420104E-01	0.981737		
2	-251259	0.802732	11	-591215E-06	1.000000	2	-172055	0.383252	16	-191350E-02	0.999739	2	-210104E-01	0.003751	28	-418079E-02	0.981570		
3	-1261624	0.933369	12	-748393E-07	1.000000	3	-176635	0.558987	20	-368649E-06	0.999913	3	-211745E-01	0.033987	29	-416295E-02	0.980663		
4	-475557E-01	0.981029	13	-162071E-07	1.000000	4	-149491	0.706749	21	-367266E-07	0.999950	4	-154802E-01	0.035363	30	-413647E-02	0.980710		
5	-141722E-02	0.995501	14	-128337E-08	1.000000	5	-172827E-01	0.910407	17	-222023E-08	0.999983	5	-130983E-01	0.707205	31	-264792E-02	0.976293		
6	-362659E-02	0.995930	15	-159226E-09	1.000000	6	-260811E-01	0.963040	18	-704909E-03	0.999990	6	-151050E-01	0.649994	32	-261079E-02	0.976293		
7	-768658E-03	0.995910	16	-197467E-10	1.000000	7	-195811E-01	0.967891	20	-236550E-08	0.999999	7	-151050E-01	0.649994	33	-261079E-02	0.976293		
8	-150730E-04	0.995996	17	-246565E-11	1.000000	8	-195010E-02	0.962410	21	-236550E-08	0.999999	8	-151050E-01	0.649994	34	-261079E-02	0.976293		
RHO=.40																			
0	-132087	0.132087	11	-110704E-06	0.999997	0	-149674E-03	0.999997	16	-149792E-06	1.000000	0	-297022E-01	0.000619	24	-174138E-01	0.570771		
1	-206753	0.400035	12	-222615E-05	0.999999	1	-161623	0.383252	17	-111704E-05	0.999999	1	-322006E-02	0.012170	25	-161703E-01	0.570709		
2	-206759	0.670233	13	-438005E-06	1.000000	2	-161623	0.383252	16	-191350E-02	0.999739	2	-210104E-01	0.003751	26	-161703E-01	0.570709		
3	-101652	0.852087	14	-858397E-07	1.000000	3	-176635	0.558987	20	-368649E-06	0.999913	3	-211745E-01	0.033987	27	-161703E-01	0.570709		
4	-922615E-01	0.944368	15	-162070E-07	1.000000	4	-149491	0.706749	21	-367266E-07	0.999950	4	-154802E-01	0.035363	28	-161703E-01	0.570709		
5	-376326E-02	0.981973	16	-331510E-08	1.000000	5	-172827E-01	0.910407	17	-222023E-08	0.999983	5	-130983E-01	0.707205	29	-264792E-02	0.976293		
6	-128849E-02	0.995930	17	-399522E-09	1.000000	6	-176635	0.558987	20	-368649E-06	0.999913	6	-151050E-01	0.649994	30	-261079E-02	0.976293		
7	-301967E-02	0.995908	18	-130109E-09	1.000000	7	-149491	0.706749	21	-367266E-07	0.999950	7	-154802E-01	0.035363	31	-164971E-01	0.619705		
8	-100515E-02	0.995993	19	-252621E-10	1.000000	8	-120090	0.753663	22	-115159E-06	0.999926	8	-152336E-01	0.0383419	32	-164968E-02	0.705642		
9	-239957E-03	0.995993	20	-312262E-11	1.000000	9	-709684E-01	0.823632	23	-267292E-06	0.999950	9	-143635E-01	0.070755	33	-924506E-02	0.774700		
10	-153045E-04	0.995998	21	-101556E-11	1.000000	10	-66262C-01	0.884252	24	-173787E-06	0.999983	10	-132754E-01	0.115866	34	-130588E-01	0.667282		
RHO=.50																			
0	-760079E-01	0.978097	12	-331049E-06	0.999997	0	-171684E-01	0.988161	16	-307742E-05	0.999991	0	-207051E-01	0.001751	20	-160794E-01	0.958666		
1	-157662	0.253609	13	-591268E-05	0.999999	1	-161519E-01	0.011519	17	-111704E-05	0.999999	1	-322006E-02	0.012170	21	-160794E-01	0.958666		
2	-251212	0.526838	14	-261313E-07	0.999999	2	-172055	0.884554	16	-191350E-02	0.999999	2	-210104E-01	0.003750	22	-161703E-01	0.958666		
3	-214050	0.740888	15	-212437E-06	1.000000	3	-170452E-02	0.961261	15	-131036E-05	0.999999	3	-162722E-01	0.0331704	23	-160648E-01	0.767569		
4	-133777	0.876058	16	-161623E-09	1.000000	4	-160824E-02	0.956308	16	-118046E-06	0.999999	4	-162722E-01	0.0331704	24	-160648E-01	0.767569		
5	-716574E-01	0.959546	17	-161623E-09	1.000000	5	-172827E-01	0.910407	17	-222023E-08	0.999983	5	-130983E-01	0.707205	25	-264792E-02	0.976293		
6	-151501E-02	0.981816	18	-161623E-09	1.000000	6	-176635	0.501652	18	-180469E-03	0.999501	6	-172636E-01	0.113567	26	-107966E-01	0.663228		
7	-151501E-03	0.981921	19	-161623E-09	1.000000	7	-172055	0.422701	19	-135526E-02	0.999534	7	-172636E-01	0.113567	27	-107966E-01	0.663228		
8	-232947E-05	0.995598	20	-161623E-09	1.000000	8	-172055	0.422701	19	-197794E-04	0.999575	8	-172636E-01	0.113567	28	-107966E-01	0.663228		
RHO=.55																			
0	-590793E-01	0.959979	12	-107990E-03	0.999964	0	-171684E-01	0.007196	16	-906598E-03	0.997567	0	-297022E-01	0.000299	24	-132973E-01	0.363978		
1	-162327	0.224566	13	-159110E-04	0.999992	1	-161623	0.302959	16	-650510E-03	0.999227	1	-322006E-02	0.012170	25	-160210E-01	0.363978		
2	-232642	0.465698	14	-159110E-04	0.999992	2	-172055	0.302959	16	-818220E-03	0.999227	2	-210104E-01	0.003750	26	-160210E-01	0.363978		
3	-219572	0.676370	15	-159110E-04	0.999992	3	-176635	0.751695	16	-719666E-04	0.999807	3	-162722E-01	0.0331704	27	-160648E-01	0.663228		
4	-153672	0.833247	16	-159110E-04	0.999992	4	-160506	0.850591	16	-318197E-04	0.999807	4	-162722E-01	0.0331704	28	-160648E-01	0.663228		
5	-909682E-01	0.924155	17	-149506E-04	0.999999	5	-160506	0.850591	16	-162722E-01	0.0331704	5	-162722E-01	0.0331704	29	-160648E-01	0.663228		
6	-467176E-02	0.980874	18	-149506E-04	0.999999	6	-172055	0.902120	17	-278307E-04	0.999925	6	-162722E-01	0.0331704	30	-160648E-01	0.663228		
7	-159311E-02	0.980837	19	-149506E-04	0.999999	7	-172055	0.902120	17	-202763E-04	0.999946	7	-162722E-01	0.0331704	31	-160648E-01	0.663228		
8	-159311E-03	0.980837	20	-149506E-04	0.999999	8	-172055	0.902120	17	-147486E-04	0.999967	8	-162722E-01	0.0331704</td					

M/D/5 COF OF WAITING TIME IN THE QUEUE

M/D/6 COF OF NUMBER IN SYSTEM

STATE I	PIN=11	PIN=12	STATE I	PIN=11	PIN=12	STATE I	PIN=11	PIN=12	STATE I	PIN=11	PIN=12	STATE I	PIN=11	PIN=12	STATE I	PIN=11	PIN=12				
RHO=.10																					
0 . 348810	0 . 348810	0 . 348810	0 . 348810	0 . 348810	0 . 348810	0 . 121003E-01	0 . 012106	15 . 104746E-02	0 . 999916	0 . 701384E-03	0 . 000701	24 . 138181E-01	0 . 870951								
1 . 320210	0 . 378097	0 . 378097	0 . 378097	0 . 378097	0 . 378097	1 . 920867E-01	0 . 066193	15 . 532311E-03	0 . 999945	1 . 472298E-02	0 . 004927	25 . 126818E-01	0 . 883433								
2 . 987664E-02	0 . 768084	0 . 768084	0 . 768084	0 . 768084	0 . 768084	2 . 112730	0 . 176933	16 . 270733E-03	0 . 999719	2 . 129167E-01	0 . 017664	26 . 112745E-01	0 . 884700								
3 . 191515E-01	0 . 996462	0 . 996462	0 . 996462	0 . 996462	0 . 996462	3 . 184015	0 . 340988	17 . 137769E-02	0 . 999957	3 . 268317E-01	0 . 044676	27 . 101864E-01	0 . 904882								
4 . 290366E-02	0 . 999605	0 . 999605	0 . 999605	0 . 999605	0 . 999605	4 . 180535	0 . 521882	18 . 701181E-04	0 . 999971	4 . 42807CE-01	0 . 047563	28 . 919930E-02	0 . 914071								
5 . 335644E-03	0 . 999941	0 . 999941	0 . 999941	0 . 999941	0 . 999941	5 . 162056	0 . 646938	19 . 156276E-04	0 . 999953	5 . 567259E-01	0 . 142285	29 . 830928E-02	0 . 922400								
6 . 123319	0 . 627319	0 . 627319	0 . 627319	0 . 627319	0 . 627319	6 . 123319	0 . 627319	20 . 913431E-03	0 . 999910	6 . 653322E-01	0 . 209623	30 . 750360E-02	0 . 929905								
7 . 902243E-01	0 . 940253	0 . 940253	0 . 940253	0 . 940253	0 . 940253	8 . 902243E-01	0 . 940253	22 . 670446E-05	0 . 999993	8 . 684646E-01	0 . 277789	31 . 677965E-02	0 . 930465								
9 . 301110	0 . 301110	0 . 301110	0 . 301110	0 . 301110	0 . 301110	9 . 283551E-01	0 . 968609	23 . 239600E-05	0 . 999998	9 . 673305E-01	0 . 404943	32 . 612391E-02	0 . 942809								
1 . 381640	0 . 644232	0 . 644232	0 . 644232	0 . 644232	0 . 644232	10 . 152214E-01	0 . 983831	24 . 121934E-05	0 . 999993	10 . 571526E-01	0 . 461086	33 . 599570E-02	0 . 953337								
2 . 240203	0 . 796710	0 . 796710	0 . 796710	0 . 796710	0 . 796710	11 . 792094E-02	0 . 991752	25 . 620936E-04	0 . 999991	11 . 518502E-01	0 . 515698	35 . 651329E-02	0 . 957851								
3 . 267014E-01	0 . 986199	0 . 986199	0 . 986199	0 . 986199	0 . 986199	12 . 405952E-02	0 . 995461	26 . 319546E-04	0 . 000000	12 . 699661E-01	0 . 562765	36 . 467615E-02	0 . 961927								
4 . 240648E-01	0 . 992243	0 . 992243	0 . 992243	0 . 992243	0 . 992243	13 . 2062235E-02	0 . 997849	27 . 160588E-04	0 . 000000	13 . 623231E-01	0 . 694987	37 . 362625E-02	0 . 965610								
5 . 622351E-02	0 . 998497	0 . 998497	0 . 998497	0 . 998497	0 . 998497	14 . 382235E-01	0 . 443100	28 . 332626E-02	0 . 998936	14 . 345198E-01	0 . 677627	39 . 300458E-02	0 . 971961								
6 . 125154E-02	0 . 997748	0 . 997748	0 . 997748	0 . 997748	0 . 997748	7 . 214721E-03	0 . 999963	15 . 371657E-11	0 . 000000	7 . 311008E-01	0 . 768808	40 . 271395E-02	0 . 974655								
8 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	16 . 334493E-03	0 . 999726	17 . 284644E-01	0 . 736972	16 . 285145E-01	0 . 977106										
9 . 301110	0 . 301110	0 . 301110	0 . 301110	0 . 301110	0 . 301110	10 . 377044E-01	0 . 045493	18 . 359012E-03	0 . 999925	10 . 284644E-01	0 . 762612	18 . 221539E-02	0 . 979320								
11 . 287044	0 . 644232	0 . 644232	0 . 644232	0 . 644232	0 . 644232	12 . 324242E-01	0 . 134195	19 . 310936E-03	0 . 999976	12 . 324242E-01	0 . 134195	20 . 205722E-01	0 . 806194	21 . 184765E-01	0 . 824099	22 . 160401E-02	0 . 983127				
13 . 267044	0 . 644232	0 . 644232	0 . 644232	0 . 644232	0 . 644232	14 . 324242E-01	0 . 134195	22 . 316467E-04	0 . 999953	14 . 324242E-01	0 . 134195	23 . 152980E-01	0 . 857133	24 . 127411E-02	0 . 982233						
15 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	16 . 334493E-02	0 . 000156	17 . 284644E-01	0 . 736972	16 . 285145E-01	0 . 977106	17 . 285145E-01	0 . 977106	18 . 221539E-02	0 . 979320						
17 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	18 . 359012E-02	0 . 999997	19 . 310936E-03	0 . 999998	18 . 359012E-02	0 . 999997	19 . 310936E-02	0 . 999998	20 . 205722E-01	0 . 806194	21 . 184765E-01	0 . 824099	22 . 160401E-02	0 . 983127		
23 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	24 . 324242E-01	0 . 134195	25 . 319532E-04	0 . 999981	24 . 324242E-01	0 . 134195	25 . 319532E-01	0 . 999981	26 . 285145E-01	0 . 999981	27 . 161920E-01	0 . 000002	28 . 155512E-01	0 . 621553		
29 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	30 . 285145E-01	0 . 999981	31 . 621919E-04	0 . 999999	30 . 621919E-01	0 . 999984	31 . 621919E-01	0 . 999984	32 . 221539E-02	0 . 979320	33 . 172310E-01	0 . 999984	34 . 172310E-01	0 . 999984		
35 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	36 . 324304E-01	0 . 134195	37 . 285145E-01	0 . 999981	36 . 324304E-01	0 . 134195	37 . 285145E-01	0 . 999981	38 . 180615E-01	0 . 999981	39 . 180615E-01	0 . 999981	40 . 149234E-01	0 . 999981		
42 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	43 . 324304E-01	0 . 134195	44 . 285145E-01	0 . 999981	43 . 324304E-01	0 . 134195	44 . 285145E-01	0 . 999981	45 . 180615E-01	0 . 999981	46 . 180615E-01	0 . 999981	47 . 155512E-01	0 . 621553		
49 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	50 . 285145E-01	0 . 999981	51 . 621919E-04	0 . 999999	50 . 621919E-01	0 . 999984	51 . 621919E-01	0 . 999984	52 . 221539E-02	0 . 979320	53 . 172310E-01	0 . 999984	54 . 172310E-01	0 . 999984		
56 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	57 . 324304E-01	0 . 134195	58 . 285145E-01	0 . 999981	57 . 324304E-01	0 . 134195	58 . 285145E-01	0 . 999981	59 . 180615E-01	0 . 999981	60 . 180615E-01	0 . 999981	61 . 149234E-01	0 . 999981		
63 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	64 . 324304E-01	0 . 134195	65 . 285145E-01	0 . 999981	64 . 324304E-01	0 . 134195	65 . 285145E-01	0 . 999981	66 . 180615E-01	0 . 999981	67 . 180615E-01	0 . 999981	68 . 149234E-01	0 . 999981		
69 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	70 . 324304E-01	0 . 134195	71 . 285145E-01	0 . 999981	70 . 324304E-01	0 . 134195	71 . 285145E-01	0 . 999981	72 . 180615E-01	0 . 999981	73 . 180615E-01	0 . 999981	74 . 149234E-01	0 . 999981		
76 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	77 . 324304E-01	0 . 134195	78 . 285145E-01	0 . 999981	77 . 324304E-01	0 . 134195	78 . 285145E-01	0 . 999981	79 . 180615E-01	0 . 999981	80 . 180615E-01	0 . 999981	81 . 149234E-01	0 . 999981		
83 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	84 . 324304E-01	0 . 134195	85 . 285145E-01	0 . 999981	84 . 324304E-01	0 . 134195	85 . 285145E-01	0 . 999981	86 . 180615E-01	0 . 999981	87 . 180615E-01	0 . 999981	88 . 149234E-01	0 . 999981		
91 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	92 . 324304E-01	0 . 134195	93 . 285145E-01	0 . 999981	92 . 324304E-01	0 . 134195	93 . 285145E-01	0 . 999981	94 . 180615E-01	0 . 999981	95 . 180615E-01	0 . 999981	96 . 149234E-01	0 . 999981		
98 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	99 . 324304E-01	0 . 134195	100 . 285145E-01	0 . 999981	99 . 324304E-01	0 . 134195	100 . 285145E-01	0 . 999981	101 . 180615E-01	0 . 999981	102 . 180615E-01	0 . 999981	103 . 149234E-01	0 . 999981		
104 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	105 . 324304E-01	0 . 134195	106 . 285145E-01	0 . 999981	105 . 324304E-01	0 . 134195	106 . 285145E-01	0 . 999981	107 . 180615E-01	0 . 999981	108 . 180615E-01	0 . 999981	109 . 149234E-01	0 . 999981		
111 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	112 . 324304E-01	0 . 134195	113 . 285145E-01	0 . 999981	112 . 324304E-01	0 . 134195	113 . 285145E-01	0 . 999981	114 . 180615E-01	0 . 999981	115 . 180615E-01	0 . 999981	116 . 149234E-01	0 . 999981		
118 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	119 . 324304E-01	0 . 134195	120 . 285145E-01	0 . 999981	119 . 324304E-01	0 . 134195	120 . 285145E-01	0 . 999981	121 . 180615E-01	0 . 999981	122 . 180615E-01	0 . 999981	123 . 149234E-01	0 . 999981		
125 . 214721E-03	0 . 999963	0 . 999963	0 . 999963	0 . 999963	0 . 999963	126 . 324304E-01	0 . 134195	127 . 285145E-01	0 . 999981	126 . 324304E-01	0 . 134195	127 . 285145E-01	0 . 999981	128 . 180615E-01	0 . 999981	129 . 180615E-01	0 . 999981	130 . 149234E-01	0 . 999981		
132 . 214721E-03																					

M/D/6 CDF OF WAITING TIME IN THE QUEUE

TIME T	P (UTC+0)	TIME T	P (UTC+0)	TIME T		P (UTC+0)	TIME T		P (UTC+0)	TIME T		P (UTC+0)	TIME T		P (UTC+0)			
				TIME T	P (UTC+0)		TIME T	P (UTC+0)		TIME T	P (UTC+0)		TIME T	P (UTC+0)				
BHO= .10																		
0.0	0.999961	0.3	0.999995	1.	0.0	0.997767	1.0	0.999960	1.	0.0	0.999972	1.2	0.999970	1.	0.0	0.999975	1.5	0.999972
0.1	0.999970	0.4	0.999990	1.	0.1	0.995517	1.1	0.999975	1.	0.1	0.997175	1.3	0.999970	1.	0.1	0.997175	1.6	0.999974
0.2	0.999980			0.2	0.997259	1.2	0.999981	1.	0.2	0.996345	1.4	0.999975	1.	0.2	0.996345	1.7	0.999974	
0.3	0.999989			0.3	0.997565	1.3	0.999987	1.	0.3	0.996085	1.5	0.999972	1.	0.3	0.996085	1.8	0.999973	
0.4	0.999998			0.4	0.997667	1.4	0.999989	1.	0.4	0.996395	1.6	0.999974	1.	0.4	0.996395	1.9	0.999975	
BHO= .20																		
0.0	0.999987	0.0	0.999990	1.	0.0	0.997355	1.0	0.999982	1.	0.0	0.996620	1.2	0.999978	1.	0.0	0.996620	1.5	0.999977
0.1	0.999996	0.5	0.999981	1.	0.1	0.996966	1.1	0.999986	1.	0.1	0.996462	1.3	0.999979	1.	0.1	0.996462	1.6	0.999977
0.2	0.999987	0.6	0.999980	1.	0.2	0.996863	1.2	0.999983	1.	0.2	0.996167	1.4	0.999980	1.	0.2	0.996167	1.7	0.999979
0.3	0.999997	0.7	0.999980	1.	0.3	0.996999	1.3	0.999984	1.	0.3	0.996531	1.5	0.999981	1.	0.3	0.996531	1.8	0.999981
0.4	0.999998	0.7	0.999980	1.	0.4	0.997000	1.4	0.999985	1.	0.4	0.996630	1.6	0.999982	1.	0.4	0.996630	1.9	0.999981
BHO= .30																		
0.0	0.999987	0.5	0.999936	1.	0.0	0.997160	1.1	0.999937	1.	0.0	0.996310	1.3	0.999930	1.	0.0	0.996310	1.6	0.999930
0.1	0.999996	0.6	0.999983	1.	0.1	0.996512	1.2	0.999950	1.	0.1	0.995750	1.4	0.999935	1.	0.1	0.995750	1.7	0.999935
0.2	0.999987	0.7	0.999972	1.	0.2	0.996460	1.3	0.999957	1.	0.2	0.995691	1.5	0.999935	1.	0.2	0.995691	1.8	0.999935
0.3	0.999996	0.8	0.999955	1.	0.3	0.996524	1.4	0.999959	1.	0.3	0.995851	1.6	0.999935	1.	0.3	0.995851	1.9	0.999935
0.4	0.999998	0.9	0.999949	1.	0.4	0.997783	1.5	0.999960	1.	0.4	0.997127	1.7	0.999935	1.	0.4	0.997127	2.0	0.999935
BHO= .40																		
0.0	0.999985	0.7	0.999972	1.	0.0	0.996339	1.1	0.999953	1.	0.0	0.995662	1.3	0.999950	1.	0.0	0.995662	1.6	0.999950
0.1	0.999973	0.8	0.999957	1.	0.1	0.995770	1.2	0.999960	1.	0.1	0.995000	1.4	0.999955	1.	0.1	0.995000	1.7	0.999955
0.2	0.999981	0.9	0.999973	1.	0.2	0.995770	1.3	0.999960	1.	0.2	0.995000	1.5	0.999955	1.	0.2	0.995000	1.8	0.999955
0.3	0.999979	1.0	0.999968	1.	0.3	0.995770	1.4	0.999960	1.	0.3	0.995000	1.6	0.999955	1.	0.3	0.995000	1.9	0.999955
0.4	0.999985	1.1	0.999965	1.	0.4	0.995770	1.5	0.999960	1.	0.4	0.995000	1.7	0.999955	1.	0.4	0.995000	2.0	0.999955
BHO= .50																		
0.0	0.999985	0.7	0.999972	1.	0.0	0.997043	1.1	0.999976	1.	0.0	0.996319	1.3	0.999970	1.	0.0	0.996319	1.6	0.999970
0.1	0.999973	0.8	0.999957	1.	0.1	0.996177	1.2	0.999973	1.	0.1	0.995350	1.4	0.999962	1.	0.1	0.995350	1.7	0.999962
0.2	0.999981	0.9	0.999962	1.	0.2	0.997700	1.3	0.999976	1.	0.2	0.996358	1.5	0.999965	1.	0.2	0.996358	1.8	0.999965
0.3	0.999979	1.0	0.999968	1.	0.3	0.996825	1.4	0.999973	1.	0.3	0.995379	1.6	0.999965	1.	0.3	0.995379	1.9	0.999965
0.4	0.999985	1.1	0.999972	1.	0.4	0.996912	1.5	0.999976	1.	0.4	0.995692	1.7	0.999965	1.	0.4	0.995692	2.0	0.999965
BHO= .60																		
0.0	0.999985	0.9	0.999972	1.	0.0	0.997622	1.1	0.999976	1.	0.0	0.996999	1.3	0.999970	1.	0.0	0.996999	1.6	0.999970
0.1	0.999973	1.0	0.999957	1.	0.1	0.996170	1.2	0.999969	1.	0.1	0.995350	1.4	0.999962	1.	0.1	0.995350	1.7	0.999962
0.2	0.999981	1.1	0.999972	1.	0.2	0.997700	1.3	0.999976	1.	0.2	0.996358	1.5	0.999965	1.	0.2	0.996358	1.8	0.999965
0.3	0.999979	1.2	0.999968	1.	0.3	0.996825	1.4	0.999973	1.	0.3	0.995379	1.6	0.999965	1.	0.3	0.995379	1.9	0.999965
0.4	0.999985	1.3	0.999972	1.	0.4	0.996912	1.5	0.999976	1.	0.4	0.995692	1.7	0.999965	1.	0.4	0.995692	2.0	0.999965
BHO= .70																		
0.0	0.999985	1.0	0.999972	1.	0.0	0.997622	1.1	0.999976	1.	0.0	0.996999	1.3	0.999970	1.	0.0	0.996999	1.6	0.999970
0.1	0.999973	1.1	0.999957	1.	0.1	0.996170	1.2	0.999969	1.	0.1	0.995350	1.4	0.999962	1.	0.1	0.995350	1.7	0.999962
0.2	0.999981	1.2	0.999972	1.	0.2	0.997700	1.3	0.999976	1.	0.2	0.996358	1.5	0.999965	1.	0.2	0.996358	1.8	0.999965
0.3	0.999979	1.3	0.999968	1.	0.3	0.996825	1.4	0.999973	1.	0.3	0.995379	1.6	0.999965	1.	0.3	0.995379	1.9	0.999965
0.4	0.999985	1.4	0.999972	1.	0.4	0.996912	1.5	0.999976	1.	0.4	0.995692	1.7	0.999965	1.	0.4	0.995692	2.0	0.999965
BHO= .80																		
0.0	0.999985	1.1	0.999972	1.	0.0	0.997622	1.1	0.999976	1.	0.0	0.996999	1.3	0.999970	1.	0.0	0.996999	1.6	0.999970
0.1	0.999973	1.2	0.999957	1.	0.1	0.996170	1.2	0.999969	1.	0.1	0.995350	1.4	0.999962	1.	0.1	0.995350	1.7	0.999962
0.2	0.999981	1.3	0.999972	1.	0.2	0.997700	1.3	0.999976	1.	0.2	0.996358	1.5	0.999965	1.	0.2	0.996358	1.8	0.999965
0.3	0.999979	1.4	0.999968	1.	0.3	0.996825	1.4	0.999973	1.	0.3	0.995379	1.6	0.999965	1.	0.3	0.995379	1.9	0.999965
0.4	0.999985	1.5	0.999972	1.	0.4	0.996912	1.5	0.999976	1.	0.4	0.995692	1.7	0.999965	1.	0.4	0.995692	2.0	0.999965
BHO= .90																		
0.0	0.999985	1.2	0.999972	1.	0.0	0.997622	1.1	0.999976	1.	0.0	0.996999	1.3	0.999970	1.	0.0	0.996999	1.6	0.999970
0.1	0.999973	1.3	0.999957	1.	0.1	0.996170	1.2	0.999969	1.	0.1	0.995350	1.4	0.999962	1.	0.1	0.995350	1.7	0.999962
0.2	0.999981	1.4	0.999972	1.	0.2	0.997700	1.3	0.999976	1.	0.2	0.996358	1.5	0.999965	1.	0.2	0.996358	1.8	0.999965
0.3	0.999979	1.5	0.999968	1.	0.3	0.996825	1.4	0.999973	1.	0.3	0.995379	1.6	0.999965	1.	0.3	0.995379	1.9	0.999965
0.4	0.999985	1.6	0.999972	1.	0.4	0.996912	1.5	0.999976	1.	0.4	0.995692	1.7	0.999965	1.	0.4	0.995692	2.0	0.999965
BHO= .95																		
0.0	0.999985	1.3	0.999972	1.	0.0	0.997622	1.1	0.999976	1.	0.0	0.996999	1.3	0.999970	1.	0.0	0.996999	1.6	0.999970
0.1	0.999973	1.4	0.999957	1.	0.1	0.996170	1.2	0.999969	1.	0.1	0.995350	1.4	0.999962	1.	0.1	0.995350	1.7	0.999962
0.2	0.999981	1.5	0.999972	1.	0.2	0.997700	1.3	0.999976	1.	0.2	0.996358	1.5	0.999965	1.	0.2	0.996358	1.8	0.999965
0.3	0.999979	1.6	0.999968	1.	0.3	0.996825	1.4	0.999973	1.	0.3	0.995379	1.6	0.999965	1.	0.3	0.995379	1.9	0.999965
0.4	0.999985	1.7	0.999972	1.	0.4	0.996912	1.5	0.999976	1.	0.4	0.995692	1.7	0.999965	1.	0.4	0.995692	2.0	0.999965
BHO= .99																		
0.0	0.999985	1.4	0.999972	1.	0.0	0.997622	1.1	0.999976	1.	0.0	0.996999	1.3	0.999970	1.	0.0	0.996999	1.6	0.999970
0.1	0.999973	1.5	0.999957	1.	0.1	0.996170	1.2	0.999969	1.	0.1	0.995350	1.4	0.999962</					

M/D/7 CDF OF NUMBER IN SYSTEM

STATE	I	PIN+12	STATE	I	PIN+12	STATE	I	PIN+12	STATE	I	PIN+12	STATE	I	PIN+12	STATE	I	PIN+12	STATE	I	PIN+12
RHO=.10																				
0	-0.96385	0.496595	0	-0.6116348E-04	0.999991	0	-0.612434E-02	0.000162	16	-0.192390E-02	0.998016	0	-0.20947CE-03	0.000285	26	.1512538E-01	0.998764			
1	-0.36701C	0.846195	7	-0.8114398E-03	0.999993	1	-0.307395E-01	0.036902	15	-0.576842E-03	0.999931	1	-0.198498E-02	0.002270	25	.1362623E-01	0.874767			
2	-0.12106	0.945929	8	-0.710013E-06	1.000000	2	-0.749774E-01	0.111879	16	-0.490304E-03	0.999937	2	-0.269903E-02	0.002939	26	.1254099E-01	0.867745			
3	-0.20308E-C1	0.996267	9	-0.532236E-07	1.000000	3	-0.129198E	0.243066	17	-0.252107E-03	0.999937	3	-0.163535E-01	0.025757	27	.1111673E-01	0.869749			
4	-0.49749E-02	0.999214	10	-0.3845598E-08	1.000000	4	-0.161320E	0.007933	16	-0.652040E-03	0.999937	4	-0.246010E-01	0.100111	28	.1006916E-01	0.905965			
5	-0.695514E-03	0.999910	11	-0.246002E-09	1.000000	5	-0.167520E	0.573416	19	-0.652040E-03	0.999937	5	-0.463982E-01	0.156600	29	.0905188E-02	0.919607			
RHO=.20																				
0	-0.265721	0.245471	0	-0.903683E-04	0.999981	0	-0.730028E-01	0.000554	23	-0.104040E-03	0.999991	0	-0.187828E-01	0.026715	31	.1740207E-02	0.904017			
1	-0.303221	0.591792	1	-0.140637E-04	0.999998	1	-0.254510E-01	0.010129	24	-0.228284E-05	0.999999	10	-0.162824E-01	0.135866	32	.164915E-02	0.999999			
2	-0.261676	0.833946	10	-0.157013E-05	1.000000	11	-0.130545E-01	0.008981	19	-0.113613E-05	0.999999	11	-0.353282E-01	0.058564	33	.164910E-02	0.999999			
3	-0.121792	0.946258	11	-0.250596E-04	1.000000	12	-0.733153E-02	0.992316	16	-0.577175E-06	0.999999	12	-0.122731E-01	0.521261	34	.1642234E-02	0.999999			
4	-0.394821E-01	0.985760	12	-0.293126E-07	1.000000	13	-0.377418E-02	0.996000	20	-0.293731E-06	1.000000	13	-0.443500E-01	0.567680	35	.1403076E-02	0.942357			
5	-0.110576E-01	0.999797	13	-0.316197E-08	1.000000	7	-0.258041E-02	0.999377	15	-0.170619E-04	1.000000	14	-0.165330E-01	0.040931	36	.3464008E-02	0.965994			
6	-0.258041E-02	0.999937	14	-0.316496E-09	1.000000	8	-0.298022E-10	1.000000	15	-0.377037E-01	0.647135	15	-0.313181E-01	0.681267	40	.1970662E-02	0.972251			
7	-0.162151E-03	0.999993	15	-0.298022E-10	1.000000															
RHO=.30																				
0	-0.398643E-02	0.003980	16	-0.152793E-02	0.997919	0	-0.213025E-01	0.025271	17	-0.800719E-03	0.998000	0	-0.270643E-01	0.733996	42	.2423787E-02	0.973760			
1	-0.256616	0.370187	17	-0.573225E-05	0.999987	1	-0.576669E-01	0.027236	18	-0.507019E-03	0.999930	19	-0.251531E-01	0.765095	43	.2109594E-02	0.979554			
2	-0.269942	0.469129	18	-0.110301E-04	0.999988	9	-0.147841E-01	0.007471	20	-0.160216E-03	0.999988	21	-0.256224E-01	0.808339	44	.1977680E-02	0.983931			
3	-0.169116	0.838267	19	-0.194966E-05	1.000000	9	-0.157841E-01	0.007052	22	-0.749494E-04	0.999987	22	-0.165330E-01	0.567680	45	.1703076E-02	0.942357			
4	-0.993907E-01	0.937637	20	-0.319372E-06	1.000000	7	-0.121248E-01	0.007459	24	-0.324277E-04	0.999954	10	-0.171704E-01	0.107148	46	.1970662E-02	0.972251			
5	-0.170946E-01	0.979437	11	-0.886606E-07	1.000000	8	-0.892305E-01	0.645880	26	-0.107198E-04	0.999973	17	-0.308284E-01	0.712095	41	.2683316E-02	0.979594			
6	-0.164547E-01	0.994691	12	-0.703502E-08	1.000000	9	-0.603526E-01	0.905036	10	-0.170798E-04	0.999985	18	-0.270643E-01	0.733996	42	.2423787E-02	0.973760			
7	-0.144616E-02	0.998498	13	-0.961026E-09	1.000000	10	-0.383175E-01	0.944153	27	-0.359184E-05	0.999995	12	-0.137370E-01	0.981153	28	.207178E-05	0.999997			
8	-0.115999E-02	0.999980	17	-0.232667E-09	1.000000	13	-0.798328E-02	0.995133	29	-0.115954E-05	0.999998	6	-0.119080E-01	0.021605	26	.1611757E-01	0.607771			
RHO=.40																				
0	-0.602944E-01	0.000495	11	-0.130190E-03	0.999917	0	-0.245606E-02	0.002456	19	-0.117120E-02	0.997829	9	-0.980073E-04	0.000099	29	.1893466E-01	0.939217			
1	-0.101016	0.227767	12	-0.774122E-06	0.999980	1	-0.141316E-01	0.010598	10	-0.761266E-03	0.999984	1	-0.705580E-03	0.000093	25	.181872E-01	0.935500			
2	-0.237767	0.464691	13	-0.274122E-06	1.000000	2	-0.409008E-01	0.057496	21	-0.498005E-03	0.999981	11	-0.317734E-01	0.222210	39	.1215038E-01	0.704120			
3	-0.222354	0.469304	14	-0.160215E-09	1.000000	3	-0.759579E-01	0.130737	23	-0.321607E-03	0.999983	12	-0.306789E-01	0.252869	36	.1167648E-01	0.717929			
4	-0.156274	0.845570	15	-0.357172E-06	1.000000	5	-0.177330E-01	0.011738	24	-0.209033E-03	0.999982	13	-0.250019E-01	0.122939	37	.1121757E-01	0.727274			
5	-0.976618E-01	0.932318	16	-0.462177E-07	1.000000	6	-0.117330E-01	0.011405	25	-0.135860E-03	0.999983	14	-0.283354E-01	0.310726	38	.1077747E-01	0.737791			
6	-0.131317E-01	0.974856	17	-0.131571E-07	1.000000	7	-0.121248E-01	0.007459	26	-0.152952E-03	0.999983	15	-0.272261E-01	0.157857	39	.1817618E-01	0.679306			
7	-0.108024	0.991223	18	-0.164206E-05	0.999999	8	-0.102127E-01	0.007459	27	-0.373067E-04	0.999931	17	-0.102030E-01	0.102030	40	.999456E-01	0.736504			
8	-0.102127E-01	0.999999	19	-0.759537E-01	0.842265	9	-0.262646E-04	0.999995	18	-0.210379E-01	0.434357	41	-0.241084E-01	0.432379	42	.1717121E-01	0.736504			
9	-0.283014E-01	0.029201	10	-0.130391E-03	0.999987	10	-0.523206E-01	0.695025	19	-0.157932E-04	0.999971	19	-0.213025E-01	0.434357	43	.1894992E-02	0.700411			
10	-0.103106	0.612360	11	-0.191304E-06	0.999986	11	-0.360083E-01	0.931105	20	-0.102630E-04	0.999981	20	-0.222423E-01	0.458841	44	.1641995E-02	0.700473			
11	-0.181623	0.314030	12	-0.260722E-06	0.999990	12	-0.230426E-01	0.935568	21	-0.663754E-05	0.999980	21	-0.123606E-01	0.484007	45	.812795E-02	0.802020			
12	-0.216169	0.527650	13	-0.749318E-05	0.999997	13	-0.155713E-01	0.971119	22	-0.327214E-05	0.999992	22	-0.205226E-01	0.505079	46	.706723E-02	0.810908			
13	-0.188024	0.716475	14	-0.164206E-05	0.999999	14	-0.161012E-01	0.981290	23	-0.281240E-05	0.999993	23	-0.197126E-01	0.520282	47	.706916E-02	0.81750E			
14	-0.133891	0.830366	15	-0.193614E-06	1.000000	15	-0.657156E-02	0.987812	24	-0.182000E-05	0.999993	24	-0.167126E-01	0.520282	47	.706916E-02	0.81750E			
15	-0.180503E-01	0.972669	16	-0.197510E-08	1.000000	16	-0.277726E-02	0.996852	25	-0.372238E-06	0.999995	25	-0.222423E-01	0.434357	43	.1894992E-02	0.700411			
16	-0.180503E-02	0.996659	22	-0.132452E-07	1.000000	17	-0.106700E-01	0.971592	26	-0.100566E-04	0.999973	26	-0.145280E-01	0.263599	44	.922205E-02	0.946676			
17	-0.203093E-02	0.998875	23	-0.244626E-06	1.000000	18	-0.543523E-02	0.984876	27	-0.531094E-05	0.999984	27	-0.146322E-01	0.278126	45	.903900E-02	0.946676			
RHO=.60																				
0	-0.130216E-01	0.813921	13	-0.670466E-03	0.999960	0	-0.700475E-01	0.000737	26	-0.470703E-02	0.901141	0	-0.177744E-02	0.000480	33	-0.115050E-01	0.932032			
1	-0.306672E-01	0.872659	14	-0.266933E-03	0.999983	1	-0.612120E-01	0.025271	27	-0.270475E-02	0.901141	1	-0.177744E-02	0.000480	33	-0.115050E-01	0.932032			
2	-0.226007	0.197266	15	-0.102505E-03	0.999986	2	-0.511210E-01	0.025271	28	-0.270475E-02	0.901141	2	-0.177744E-02	0.000480	33	-0.115050E-01	0.932032			
3	-0.177555	0.374850	16	-0.395486E-04	0.999973	3	-0.175110E-01	0.025271	29	-0.270475E-02	0.901141	3	-0.177744E-02	0.000480	33	-0.115050E-01	0.932032			
4	-0.190210	0.565867	17	-0.152727E-05	0.999999	4	-0.175110E-01	0.025271	30	-0.270475E-02	0.901141	4	-0.177744E-02	0.000480	33	-0.115050E-01	0.932032			
5	-0.153505	0.728970	18	-0.590518E-05	0.999999	5	-0.175110E-01	0.025271	31	-0.270475E-02	0.901141	5	-0.177744E-02	0.000480	33	-0.115050E-01	0.932032			
6	-0.115535	0.875068	19	-0.220506E-05	0.999999	6	-0.175110E-01	0.025271	32	-0.270475E-02	0.901141	6	-0.177744E-02	0.000480	33	-0.115050E-01	0.932032			
7	-0.764559	0.220506	20	-0.300518E-05	0.99999															

M/D/7 CDF OF WAITING TIME IN THE QUEUE

TIME T	P(BTC=0)		TIME T		P(BTC=0)														
	T ₀	T ₁																	
BBP=10																			
0.0	0.999999	0.2	0.999999	1	0.0	0.999918	0.9	0.9999735	1	0.0	0.999903	1.2	0.999903	1	0.0	0.9999272	1.4	0.999933	
0.1	0.999999				0.2	0.9920365	1.0	0.9999693		0.1	0.710700	1.2	0.9999693	0.1	0.992700	1.5	0.992700		
					0.3	0.9958678	1.1	0.9999693		0.2	0.999995	1.3	0.9999693	0.2	0.999995	1.6	0.9999693		
					0.4	0.9773800	1.2	0.9999693		0.3	0.999995	1.4	0.9999693	0.3	0.999995	1.7	0.9999693		
					0.5	0.993287	1.3	0.9999693		0.4	0.9999112	1.6	0.9999693	0.4	0.9999112	1.8	0.9999693		
					0.6	0.997122	1.5	0.9999693		0.5	0.992178	1.7	0.9999693	0.5	0.992178	1.9	0.9999693		
					0.7	0.998764	1.6	0.9999693		0.6	0.995268	1.8	0.9999693	0.6	0.995268	2.0	0.9999693		
					0.8	0.999934				0.7	0.996500	1.9	0.9999693	0.7	0.710902	2.5	0.979381		
					0.9					0.8	0.976702	2.0	0.9999693	0.8	0.737603	3.0	0.990000		
					1.0					0.9	0.980953	2.5	0.9999693	0.9	0.980953	3.5	0.9999693		
BBP=20																			
0.0	0.999999	0.5	0.999972	1	0.0	0.999927	0.5	0.999999	1	0.0	0.999917	0.8	0.999917	1	0.0	0.999926	1.0	0.999935	
0.1	0.999999	0.5	0.999991	1	0.1	0.997122	0.6	0.999991	1	0.1	0.999926	0.9	0.999926	0.1	0.675702	2.0	0.957620		
0.2	0.999999	0.6	0.999990	1	0.2	0.998764	0.7	0.999990	1	0.2	0.999950	1.0	0.999950	0.2	0.999950	2.5	0.999960		
0.3	0.999999				0.3	0.999934				0.3	0.999934	1.2	0.999950	0.3	0.999934	2.5	0.999960		
					0.4	0.999934				0.4	0.999934	1.4	0.999950	0.4	0.999934	2.5	0.999960		
					0.5	0.999934				0.5	0.999934	1.6	0.999950	0.5	0.999934	2.5	0.999960		
					0.6	0.999934				0.6	0.999934	1.8	0.999950	0.6	0.999934	2.5	0.999960		
					0.7	0.999934				0.7	0.999934	2.0	0.999950	0.7	0.999934	2.5	0.999960		
					0.8	0.999934				0.8	0.999934	2.2	0.999950	0.8	0.999934	2.5	0.999960		
					0.9	0.999934				0.9	0.999934	2.4	0.999950	0.9	0.999934	2.5	0.999960		
					1.0	0.999934				1.0	0.999934	2.6	0.999950	1.0	0.999934	2.5	0.999960		
BBP=40																			
0.0	0.999997	0.6	0.999955	1	0.0	0.987586	0.6	0.999945	1	0.0	0.999903	0.7	0.999903	1	0.0	0.999919	0.8	0.999926	
0.1	0.999997	0.5	0.999983	1	0.1	0.9938005	0.5	0.999977	1	0.1	0.999966	0.8	0.999966	1	0.1	0.9999230	0.9	0.999971	
0.2	0.999997	0.5	0.999992	1	0.2	0.997664	0.6	0.999992	1	0.2	0.999992	0.9	0.999992	1	0.2	0.999992	0.9	0.999992	
0.3	0.999997	0.7	0.999990	1	0.3	0.997013	0.7	0.999992	1	0.3	0.999992	0.9	0.999992	1	0.3	0.999992	0.9	0.999992	
					0.4	0.975777	0.8	0.999992		0.4	0.9737221	1.1	0.999930	1	0.4	0.980330	1.2	0.999935	
					0.5	0.987481	0.9	0.999992		0.5	0.967700	1.2	0.999930	1	0.5	0.991267	1.5	0.999935	
					0.6	0.992800	1.0	0.999992		0.6	0.953277	1.5	0.999930	1	0.6	0.995377	1.8	0.999935	
					0.7	0.999242	1.1	0.999992		0.7	0.943129	1.8	0.999930	1	0.7	0.995377	2.0	0.999935	
					0.8	0.999242	1.2	0.999992		0.8	0.9216007	1.7	0.999930	1	0.8	0.995377	2.5	0.999935	
					0.9	0.999242	1.3	0.999992		0.9	0.905709	1.8	0.999930	1	0.9	0.995377	2.5	0.999935	
					1.0	0.999242	1.4	0.999992		1.0	0.8925007	1.9	0.999930	1	1.0	0.995377	2.5	0.999935	
BBP=60																			
0.0	0.970895	0.6	0.999972	1	0.0	0.999913	0.6	0.999999	1	0.0	0.999913	0.7	0.999913	1	0.0	0.999913	0.8	0.999913	
0.1	0.998691	0.7	0.999991	1	0.1	0.999913	0.7	0.999991	1	0.1	0.999913	0.8	0.999913	1	0.1	0.999913	0.9	0.999913	
0.2	0.999499	0.8	0.999990	1	0.2	0.999913	0.8	0.999990	1	0.2	0.999913	0.9	0.999913	1	0.2	0.999913	0.9	0.999913	
0.3	0.999499	0.9	0.999990	1	0.3	0.999913	0.9	0.999990	1	0.3	0.999913	0.9	0.999913	1	0.3	0.999913	0.9	0.999913	
					0.4	0.999913	1.0	0.999990		0.4	0.999913	1.1	0.999913	1	0.4	0.999913	1.2	0.999913	
					0.5	0.999913	1.1	0.999990		0.5	0.999913	1.2	0.999913	1	0.5	0.999913	1.3	0.999913	
					0.6	0.999913	1.2	0.999990		0.6	0.999913	1.3	0.999913	1	0.6	0.999913	1.4	0.999913	
					0.7	0.999913	1.3	0.999990		0.7	0.999913	1.4	0.999913	1	0.7	0.999913	1.5	0.999913	
					0.8	0.999913	1.4	0.999990		0.8	0.999913	1.5	0.999913	1	0.8	0.999913	1.6	0.999913	
					0.9	0.999913	1.5	0.999990		0.9	0.999913	1.6	0.999913	1	0.9	0.999913	1.7	0.999913	
					1.0	0.999913	1.6	0.999990		1.0	0.999913	1.7	0.999913	1	1.0	0.999913	1.8	0.999913	
BBP=90																			
0.0	0.927616	0.6	0.999910	1	0.0	0.999965	0.6	0.999965	1	0.0	0.999957	0.7	0.999957	1	0.0	0.992513	1.0	0.966013	
0.1	0.994205	0.7	0.999916	1	0.1	0.999957	0.7	0.999957	1	0.1	0.999957	0.8	0.999957	1	0.1	0.992500	1.5	0.953051	
0.2	0.972333	1.0	0.999950	1	0.2	0.999957	1.0	0.999950	1	0.2	0.999957	1.1	0.999957	1	0.2	0.999957	1.5	0.951676	
0.3	0.998716	1.1	0.999953	1	0.3	0.999957	1.1	0.999953	1	0.3	0.999957	1.2	0.999957	1	0.3	0.999957	1.5	0.951676	
0.4	0.997282	1.2	0.999950	1	0.4	0.999957	1.2	0.999950	1	0.4	0.999957	1.3	0.999957	1	0.4	0.999957	1.5	0.951676	
0.5	0.998602	1.3	0.999957	1	0.5	0.999957	1.3	0.999957	1	0.5	0.999957	1.4	0.999957	1	0.5	0.999957	1.5	0.951676	
0.6	0.998716	1.4	0.999950	1	0.6	0.999957	1.4	0.999950	1	0.6	0.999957	1.5	0.999957	1	0.6	0.999957	1.5	0.951676	
0.7	0.999526	1.5	0.999957	1	0.7	0.999957	1.5	0.999957	1	0.7	0.999957	1.6	0.999957	1	0.7	0.999957	1.5	0.951676	
BBP=170																			
0.0	0.710803	1.1	0.999970	1	0.0	0.999995	1.1	0.999995	1	0.0	0.999995	1.2	0.999995	1	0.0	0.999995	1.3	0.999995	
0.1	0.999995	1.2	0.999995	1	0.1	0.999995	1.2	0.999995	1	0.1	0.999995	1.3	0.999995	1	0.1	0.999995	1.4	0.999995	
0.2	0.999995	1.3	0.999995	1	0.2	0.999995	1.3	0.999995	1	0.2	0.999995	1.4	0.999995	1	0.2	0.999995	1.5	0.999995	
0.3	0.999995	1.4	0.999995	1	0.3	0.999995	1.4	0.999995	1	0.3	0.999995	1.5	0.999995	1	0.3	0.999995	1.6	0.999995	
0.4	0.999995	1.5	0.999995	1	0.4	0.999995	1.5	0.999995	1	0.4	0.999995	1.6	0.999995	1	0.4	0.999995	1.7	0.999995	
0.5	0.999995	1.6	0.999995	1	0.5	0.999995	1.6	0.999995	1	0.5	0.999995	1.7	0.999995	1	0.5	0.999995	1.8	0.999995	
0.6	0.999995	1.7	0.999995	1	0.6	0.999995	1.7	0.999995	1	0.6	0.999995	1.8	0.999995	1	0.6	0.999995	1.9	0.999995	
0.7	0.999995	1.8	0.999995	1	0.7	0.999995	1.8	0.999995	1	0.7	0.999995	1.9	0.999995	1	0.7	0.999995	2.0	0.999995	
0.8	0.999995	1.9	0.999995	1	0.8	0.999995	1.9	0.999995	1	0.8	0.999995	2.0	0.999995	1	0.8				

M/D/8 CDF OF NUMBER IN SYSTEM

STATE I	PIN=1)	PINC=1)	STATE I	PIN=1)	PINC=1)	STATE I	PIN=1)	PINC=1)	STATE I	PIN=1)	PINC=1)	STATE I	PIN=1)	PINC=1)	STATE I	PIN=1)	PINC=1)	
RHO=.10																		
0 .449329	8.449329	6 .143596E-03 0.999979	0 .312408E-02 0.003125	16 .352565E-02 0.996336	I 0 .115488E-03 0.000115	22 .-203065E-01 0.010358												
1 .359463	0.806792	7 .186967E-04 0.999998	1 .173347E-01 0.020859	15 .180256E-02 0.998138	I 1 .-100475E-03 0.001026	23 .-183424E-01 0.028701												
2 .163785	0.932577	8 .186967E-05 1.000000	2 .-504776E-01 0.071336	16 .-916163E-03 0.999955	I 2 .-301442E-02 0.004664	24 .-165663E-01 0.045269												
3 .383428E-01	0.990920	9 .-166193E-06 1.000000	3 .-941197E-01 0.147656	17 .-564975E-03 0.999919	I 3 .-664324E-02 0.004635	25 .-147618E-01 0.046035												
4 .766859E-02	0.995839	10 .-132935E-07 1.000000	4 .-137697E-01 0.303533	18 .-236121E-03 0.999756	I 4 .-661773E-01 0.033921	26 .-135163E-01 0.047732												
5 .122697E-02	0.999816	11 .-966946E-09 1.000000	5 .-159199	0 .466552	I 5 .-323159E-01 0.066291	27 .-122110E-01 0.058944												
RHO=.20																		
0 .201887	0.201887	8 .-215149E-03 0.999935	0 .-947800E-02 0.003110	22 .-310783E-04 0.999963	I 6 .-561826E-01 0.147939	29 .-996752E-02 0.906957												
1 .323021	0.524915	9 .-382545E-04 0.999993	1 .-401848E-01 0.949897	23 .-407789E-05 0.999996	I 9 .-651040E-01 0.295875	31 .-812887E-02 0.924065												
2 .236029	0.783364	10 .-412176E-05 0.999999	11 .-232876E-01 0.973185	25 .-205653E-05 0.999996	I 10 .-626202E-01 0.419963	33 .-643244E-02 0.938060												
3 .137834	0.921170	11 .-890459E-06 1.000000	12 .-126212E-01 0.984006	26 .-104135E-05 0.999999	I 11 .-598452E-01 0.542684	35 .-541164E-02 0.949462												
4 .551359E-01	0.976316	12 .-118795E-06 1.000000	13 .-680049E-02 0.992810	27 .-340135E-06 0.999999	I 12 .-504327E-01 0.473553	36 .-441530E-02 0.954350												
5 .176644E-01	0.993938	13 .-164276E-07 1.000000	14 .-167272E-05 0.998000		I 13 .-614193E-01 0.413490	37 .-368823E-02 0.957584												
6 .470549E-02	0.999846	14 .-167272E-08 1.000000	15 .-178583E-09 1.000000		I 14 .-374014E-01 0.650851	38 .-360250E-02 0.964356												
7 .107903E-02	0.999739	15 .-178583E-09 1.000000			I 15 .-307425E-01 0.715131	40 .-325006E-02 0.969610												
RHO=.30																		
0 .906339E-01	0.050639	9 .-664316E-03 0.999979	0 .-947800E-02 0.003100	16 .-251360E-02 0.996583	I 16 .-309700E-04 0.000039	22 .-212764E-01 0.482227												
1 .217559	0.308234	10 .-159775E-03 0.999956	1 .-737368E-01 0.123359	17 .-164730E-02 0.998030	I 17 .-314924E-04 0.000354	23 .-204564E-01 0.502643												
2 .261206	0.569453	11 .-364951E-04 0.999991	2 .-401848E-01 0.949895	18 .-183030E-03 0.998864	I 18 .-322237E-04 0.000354	24 .-196300E-01 0.522293												
3 .209044	0.778676	12 .-701859E-05 0.999998	3 .-149358	0 .529109	I 19 .-322237E-04 0.000354	25 .-180552E-01 0.541148												
4 .125489	0.903967	13 .-130251E-05 1.000000	4 .-136085	0 .645190	I 20 .-322237E-04 0.000354	26 .-181110E-01 0.559259												
5 .602713E-01	0.964238	14 .-224899E-06 1.000000	5 .-110310	0 .775590	I 21 .-322237E-04 0.000354	27 .-173961E-01 0.576655												
6 .241270E-01	0.988365	15 .-363459E-07 1.000000	6 .-812133E-01 0.656713	25 .-177101E-04 0.999976	I 22 .-322237E-04 0.000354	28 .-167095E-01 0.593305												
7 .820016E-02	0.996463	16 .-592917E-08 1.000000	10 .-553189E-01 0.912032	26 .-102127E-04 0.999981	I 23 .-305463E-01 0.609320	29 .-160500E-01 0.609415												
8 .246715E-02	0.999812	17 .-796300E-09 1.000000	11 .-354632E-01 0.947495	27 .-589276E-05 0.999992	I 24 .-312784E-01 0.626831	30 .-154165E-01 0.626831												
RHO=.40																		
0 .405323E-01	0.040527	11 .-385693E-03 0.999981	0 .-947800E-02 0.003100	12 .-172463E-02 0.996798	I 12 .-321739E-01 0.696250	31 .-122049E-01 0.693233												
1 .129342	0.703599	12 .-104722E-04 0.999991	13 .-318370E-05 0.999992	13 .-120209E-02 0.997919	I 13 .-322237E-01 0.705340	32 .-121074E-01 0.706990												
2 .208096	0.378415	14 .-118370E-06 0.999992	2 .-244140E-01 0.932986	14 .-307805E-03 0.999942	I 14 .-322237E-01 0.716990	33 .-111705E-01 0.721860												
3 .222338	0.600752	15 .-162202E-05 0.999998	3 .-113704E-02 0.001137	15 .-172463E-02 0.996798	I 15 .-322237E-01 0.727731	34 .-110705E-01 0.732172												
4 .170279	0.779027	16 .-138827E-05 1.000000	4 .-173347E-02 0.001137	16 .-172463E-02 0.996798	I 16 .-322237E-01 0.732172	35 .-109705E-01 0.732172												
5 .114417	0.882646	17 .-209495E-06 1.000000	5 .-149147E-02 0.001137	17 .-172463E-02 0.996798	I 17 .-322237E-01 0.732172	36 .-108705E-01 0.732172												
6 .612337E-01	0.954661	18 .-602459E-07 1.000000	6 .-149147E-02 0.001137	18 .-172463E-02 0.996798	I 18 .-322237E-01 0.732172	37 .-107705E-01 0.732172												
7 .281157E-01	0.982801	19 .-119456E-07 1.000000	7 .-149147E-02 0.001137	19 .-172463E-02 0.996798	I 19 .-322237E-01 0.732172	38 .-106705E-01 0.732172												
8 .113125E-01	0.994113	19 .-233461E-08 1.000000	8 .-149147E-02 0.001137	20 .-172463E-02 0.996798	I 20 .-322237E-01 0.732172	39 .-105705E-01 0.732172												
9 .405236E-02	0.998166	20 .-402100E-09 1.000000	9 .-149147E-02 0.001137	21 .-180256E-02 0.996798	I 21 .-322237E-01 0.732172	40 .-104705E-01 0.732172												
10 .130943E-02	0.999475	21 .-670600E-09 1.000000	10 .-149147E-02 0.001137	22 .-180256E-02 0.996798	I 22 .-322237E-01 0.732172	41 .-103606E-01 0.732172												
RHO=.50																		
0 .178904E-01	0.017879	12 .-764629E-03 0.999938	11 .-502497E-01 0.900481	13 .-150831E-04 0.999972	I 13 .-305245E-01 0.693200	29 .-160500E-01 0.699415												
1 .718202E-01	0.085710	13 .-250800E-03 0.999989	12 .-536224E-01 0.934708	14 .-151739E-04 0.999988	I 14 .-305245E-01 0.693200	30 .-154165E-01 0.699415												
2 .144263	0.233973	14 .-780180E-04 0.999987	13 .-223227E-01 0.999951	15 .-151739E-04 0.999988	I 15 .-305245E-01 0.693200	31 .-153223E-01 0.699415												
3 .199330	0.627336	15 .-232227E-05 0.999991	14 .-168082E-01 0.972343	16 .-151739E-04 0.999988	I 16 .-305245E-01 0.693200	32 .-152223E-01 0.699415												
4 .194611	0.621967	16 .-674362E-05 0.999997	15 .-168082E-01 0.972343	17 .-151739E-04 0.999988	I 17 .-305245E-01 0.693200	33 .-151220E-01 0.699415												
5 .150634	0.778881	17 .-191705E-06 0.999999	16 .-149041E-02 0.982038	18 .-151739E-04 0.999988	I 18 .-305245E-01 0.693200	34 .-150240E-01 0.699415												
6 .105673	0.882646	18 .-300103E-05 1.000000	17 .-162036E-02 0.988332	19 .-151739E-04 0.999988	I 19 .-305245E-01 0.693200	35 .-150240E-01 0.699415												
7 .611559E-01	0.945708	19 .-151913E-06 1.000000	18 .-162036E-02 0.988332	20 .-151739E-04 0.999988	I 20 .-305245E-01 0.693200	36 .-150240E-01 0.699415												
8 .-0.000746E-01	0.990874	21 .-304120E-06 0.999977	9 .-149147E-02 0.999991	10 .-151913E-04 0.999988	I 10 .-305245E-01 0.693200	37 .-150240E-01 0.699415												
9 .173511	0.930488	22 .-140374E-06 0.999991	10 .-149147E-02 0.999991	11 .-151913E-04 0.999988	I 11 .-305245E-01 0.693200	38 .-150240E-01 0.699415												
10 .-0.000746E-01	0.930537	23 .-151908E-06 0.999991	11 .-149147E-02 0.999991	12 .-151913E-04 0.999988	I 12 .-305245E-01 0.693200	39 .-150240E-01 0.699415												
11 .-344695E-01	0.960627	23 .-315295E-06 0.999991	12 .-151908E-02 0.972343	13 .-151913E-04 0.999988	I 13 .-305245E-01 0.693200	40 .-150240E-01 0.699415												
12 .-220151E-01	0.995567	23 .-223222E-06 0.999991	13 .-151908E-02 0.972343	14 .-151913E-04 0.999988	I 14 .-3													

M/D/8 COF OF WAITING TIME IN THE QUEUE

TIME T	P(W(T))	TIME T	P(W(T))	TIME T	P(W(T))	TIME T	P(W(T))	TIME T	P(W(T))	TIME T	P(W(T))	TIME T	P(W(T))	TIME T	P(W(T))	
M=0.10																
0.0	0.999999	0.1	1.000000	1	0.0	0.916331	0.2	0.999995	2	0.665190	3.1	0.999187	4	0.318089	5.0	0.925579
0.0	0.999999				0.1	0.916331	0.3	0.999996	3	0.743731	4.2	0.999187	5	0.309999	6.5	0.926966
M=0.20																
0.0	0.999739	0.1	0.999977	1	0.2	0.917766	0.3	0.999990	2	0.613371	3.3	0.999120	4	0.264926	5.5	0.946578
0.1	0.999871	0.2	0.999992	1	0.3	0.918270	0.4	0.999993	2	0.670799	3.4	0.999182	5	0.320825	7.7	0.950733
0.2	0.999942	0.3	0.999996	1	0.4	0.919666	0.5	0.999993	2	0.610815	3.5	0.999345	6	0.607650	1.0	0.951666
M=0.30																
0.0	0.996605	0.1	0.999993	1	0.1	0.871680	0.2	0.999995	2	0.690793	3.0	0.999120	4	0.219920	5.0	0.972666
0.1	0.998222	0.2	0.999992	1	0.2	0.916527	0.3	0.999996	2	0.670799	3.1	0.999182	5	0.320799	7.5	0.987777
0.2	0.999103	0.3	0.999992	1	0.3	0.917032	0.4	0.999996	2	0.613371	3.2	0.999269	6	0.668866	1.5	0.998750
0.3	0.999937	0.4	0.999995	1	0.4	0.917616	0.5	0.999997	2	0.670799	3.3	0.999345	7	0.719920	2.0	0.999503
M=0.40																
0.0	0.996206	0.1	0.999970	1	0.0	0.871680	0.1	0.999995	2	0.690793	3.0	0.999120	4	0.219920	5.0	0.972666
0.1	0.998217	0.2	0.999993	1	0.1	0.916527	0.2	0.999996	2	0.670799	3.1	0.999182	5	0.320799	7.5	0.987777
0.2	0.999107	0.3	0.999993	1	0.2	0.917032	0.3	0.999996	2	0.613371	3.2	0.999269	6	0.668866	1.5	0.998750
0.3	0.999933	0.4	0.999996	1	0.3	0.917616	0.4	0.999997	2	0.670799	3.3	0.999345	7	0.719920	2.0	0.999503
M=0.50																
0.0	0.995700	0.1	0.999927	1	0.0	0.816003	0.1	0.999998	2	0.690645	3.0	0.999998	4	0.069320	5.0	0.639639
0.1	0.996700	0.2	0.999930	1	0.1	0.917048	0.2	0.999950	2	0.690799	3.1	0.999982	5	0.313610	6.0	0.736990
0.2	0.996105	0.3	0.999975	1	0.2	0.917593	0.3	0.999987	2	0.613371	3.2	0.999997	6	0.502661		
0.3	0.999563	0.4	0.999991	1	0.3	0.918271	0.4	0.999997	2	0.670799	3.3	0.999998	7			
0.4	0.999577	0.5	0.999997	1	0.4	0.919626	0.5	0.999997	2	0.610815	3.4	0.999998	8			
0.5	0.999807	0.6	0.999999	1	0.5	0.919930	0.6	0.999998	2	0.670799	3.5	0.999998	9			
0.6	0.999960	0.7	0.999999	1	0.6	0.920031	0.7	0.999999	2	0.614530	3.6	0.999999	10			
M=0.55																
0.0	0.995270	0.1	0.999927	1	0.0	0.816003	0.1	0.999998	2	0.690645	3.0	0.999998	4	0.069320	5.0	0.639639
0.1	0.996700	0.2	0.999930	1	0.1	0.917048	0.2	0.999950	2	0.690799	3.1	0.999982	5	0.313610	6.0	0.736990
0.2	0.996105	0.3	0.999975	1	0.2	0.917593	0.3	0.999987	2	0.613371	3.2	0.999997	6	0.502661		
0.3	0.999563	0.4	0.999991	1	0.3	0.918271	0.4	0.999997	2	0.670799	3.3	0.999998	7			
0.4	0.999577	0.5	0.999997	1	0.4	0.919626	0.5	0.999997	2	0.610815	3.4	0.999998	8			
0.5	0.999807	0.6	0.999999	1	0.5	0.919930	0.6	0.999998	2	0.670799	3.5	0.999998	9			
0.6	0.999960	0.7	0.999999	1	0.6	0.920031	0.7	0.999999	2	0.614530	3.6	0.999999	10			
M=0.60																
0.0	0.995000	0.1	0.999927	1	0.0	0.798031	0.1	0.999998	2	0.690593	3.0	0.999998	4	0.035810	5.0	0.390665
0.1	0.996500	0.2	0.999930	1	0.1	0.816530	0.2	0.999950	2	0.690799	3.1	0.999982	5	0.170409	6.0	0.487951
0.2	0.996000	0.3	0.999975	1	0.2	0.873701	0.3	0.999987	2	0.613371	3.2	0.999997	6	0.293460		
0.3	0.999563	0.4	0.999991	1	0.3	0.918271	0.4	0.999997	2	0.670799	3.3	0.999998	7			
0.4	0.999577	0.5	0.999997	1	0.4	0.919626	0.5	0.999997	2	0.610815	3.4	0.999998	8			
0.5	0.999807	0.6	0.999999	1	0.5	0.919930	0.6	0.999998	2	0.670799	3.5	0.999998	9			
0.6	0.999960	0.7	0.999999	1	0.6	0.920031	0.7	0.999999	2	0.614530	3.6	0.999999	10			
M=0.75																
0.0	0.994999	0.1	0.999927	1	0.0	0.798031	0.1	0.999998	2	0.690593	3.0	0.999998	4	0.035810	5.0	0.390665
0.1	0.996500	0.2	0.999930	1	0.1	0.816530	0.2	0.999950	2	0.690799	3.1	0.999982	5	0.170409	6.0	0.487951
0.2	0.996000	0.3	0.999975	1	0.2	0.873701	0.3	0.999987	2	0.613371	3.2	0.999997	6	0.293460		
0.3	0.999563	0.4	0.999991	1	0.3	0.918271	0.4	0.999997	2	0.670799	3.3	0.999998	7			
0.4	0.999577	0.5	0.999997	1	0.4	0.919626	0.5	0.999997	2	0.610815	3.4	0.999998	8			
0.5	0.999807	0.6	0.999999	1	0.5	0.919930	0.6	0.999998	2	0.670799	3.5	0.999998	9			
0.6	0.999960	0.7	0.999999	1	0.6	0.920031	0.7	0.999999	2	0.614530	3.6	0.999999	10			
M=0.90																
0.0	0.994999	0.1	0.999927	1	0.0	0.798031	0.1	0.999998	2	0.690593	3.0	0.999998	4	0.035810	5.0	0.390665
0.1	0.996500	0.2	0.999930	1	0.1	0.816530	0.2	0.999950	2	0.690799	3.1	0.999982	5	0.170409	6.0	0.487951
0.2	0.996000	0.3	0.999975	1	0.2	0.873701	0.3	0.999987	2	0.613371	3.2	0.999997	6	0.293460		
0.3	0.999563	0.4	0.999991	1	0.3	0.918271	0.4	0.999997	2	0.670799	3.3	0.999998	7			
0.4	0.999577	0.5	0.999997	1	0.4	0.919626	0.5	0.999997	2	0.610815	3.4	0.999998	8			
0.5	0.999807	0.6	0.999999	1	0.5	0.919930	0.6	0.999998	2	0.670799	3.5	0.999998	9			
0.6	0.999960	0.7	0.999999	1	0.6	0.920031	0.7	0.999999	2	0.614530	3.6	0.999999	10			

M/D/9 CDF OF NUMBER IN SYSTEM

STATE I	PIN=11	STATE I	PIN=11	PIN=11	STATE I	PIN=11	PIN=11	PIN=11	STATE I	PIN=11	PIN=11	PIN=11	STATE I	PIN=11	PIN=11	PIN=11	
RHO=.10																	
0 .50637C	0.606570	6 .300094E-03	0.999957	I	0 .157881E-02	0.001579	16 .421513E-02	0.993290	I	0 .464990E-06	0.000066	22 .222974E-01	0.792136				
1 .345913	0.722982	7 .358538E-04	0.999955	I	1 .00529E-01	0.011632	15 .330140E-02	0.999552	I	1 .499914E-03	0.000458	23 .201048E-01	0.812241				
2 .166681	0.537143	8 .534049E-05	1.000000	I	2 .320686E-01	0.043700	19 .169528E-02	0.999247	I	2 .541034E-02	0.000776	24 .181603E-01	0.836601				
3 .493982E-01	0.586551	9 .434046E-06	1.000000	I	3 .683662E-01	0.112067	17 .063078E-03	0.999110	I	3 .541034E-02	0.000776	25 .169173E-01	0.846122				
4 .111146E-01	0.997656	10 .390459E-07	1.000000	I	4 .109651	0.221717	18 .030164E-03	0.999548	I	4 .121919E-01	0.108076	26 .139841E-01	0.875006				
5 .200063E-02	0.999657	11 .319630E-08	1.000000	I	5 .141249	0.362796	19 .222256E-03	0.999770	I	5 .222372E-01	0.042113	27 .139841E-01	0.875006				
RHO=.20																	
0 .165226	0.165276	8 .451845E-03	0.999970	I	0 .118515E-01	0.001527	16 .112203E-02	0.999941	I	0 .558364E-01	0.178443	30 .988601E-02	0.907880				
1 .267523	0.542831	9 .903237E-04	0.999981	I	1 .00529E-01	0.001527	17 .073375E-02	0.999985	I	0 .617664E-01	0.240249	31 .899997E-02	0.916790				
2 .667768	0.730615	10 .162484E-04	0.999987	I	2 .320686E-01	0.043700	18 .172020E-02	0.999987	I	0 .630059E-01	0.304055	32 .804818E-02	0.926339				
3 .160473	0.861289	11 .266224E-05	1.000000	I	3 .683662E-01	0.112067	19 .222256E-03	0.999988	I	0 .592991E-01	0.425973	33 .656661E-02	0.938675				
4 .723038E-01	0.995591	12 .393937E-06	1.000000	I	4 .131246E-01	0.051932	20 .185144E-03	0.999996	I	0 .630059E-01	0.530881	34 .593168E-02	0.944406				
5 .200296E-01	0.989621	13 .553105E-07	1.000000	I	5 .118004E-01	0.0986925	21 .097619E-04	0.999999	I	0 .543744E-01	0.576262	35 .480978E-02	0.949560				
6 .780913E-02	0.997630	14 .761119E-08	1.000000	I	6 .108246E-01	0.131190	22 .171921E-04	0.999999	I	0 .410330E-01	0.617275	36 .437117E-02	0.95175				
7 .200081E-02	0.999638	15 .853462E-09	1.000000	I	7 .141860	0.057226	23 .373994E-04	0.999995	I	0 .462299E-01	0.122649	37 .109203E-01	0.899016				
RHO=.30																	
0 .165226	0.165276	8 .451845E-03	0.999970	I	0 .118515E-01	0.001527	16 .112203E-02	0.999941	I	0 .558364E-01	0.178443	30 .988601E-02	0.907880				
1 .267523	0.542831	9 .903237E-04	0.999981	I	1 .00529E-01	0.001527	17 .073375E-02	0.999985	I	0 .617664E-01	0.240249	31 .899997E-02	0.916790				
2 .667768	0.730615	10 .162484E-04	0.999987	I	2 .320686E-01	0.043700	18 .172020E-02	0.999987	I	0 .630059E-01	0.304055	32 .804818E-02	0.926339				
3 .160473	0.861289	11 .266224E-05	1.000000	I	3 .683662E-01	0.112067	19 .222256E-03	0.999988	I	0 .592991E-01	0.425973	33 .656661E-02	0.938675				
4 .723038E-01	0.995591	12 .393937E-06	1.000000	I	4 .131246E-01	0.051932	20 .185144E-03	0.999996	I	0 .630059E-01	0.530881	34 .593168E-02	0.944406				
5 .200296E-01	0.989621	13 .553105E-07	1.000000	I	5 .118004E-01	0.0986925	21 .097619E-04	0.999999	I	0 .543744E-01	0.576262	35 .480978E-02	0.949560				
6 .780913E-02	0.997630	14 .761119E-08	1.000000	I	6 .108246E-01	0.131190	22 .171921E-04	0.999999	I	0 .410330E-01	0.617275	36 .437117E-02	0.95175				
7 .200081E-02	0.999638	15 .853462E-09	1.000000	I	7 .141860	0.057226	23 .373994E-04	0.999995	I	0 .462299E-01	0.122649	37 .109203E-01	0.899016				
RHO=.40																	
0 .27.1146E-01	0.027211	11 .923375E-03	0.999915	I	0 .118515E-01	0.001527	16 .112203E-02	0.999941	I	0 .558364E-01	0.178443	30 .988601E-02	0.907880				
1 .09C170E-01	0.125249	12 .279383E-04	0.999955	I	1 .00529E-01	0.001527	17 .073375E-02	0.999955	I	0 .617664E-01	0.240249	31 .899997E-02	0.916790				
2 .17.631	0.30180	13 .782464E-05	0.999973	I	2 .320686E-01	0.043700	18 .172020E-02	0.999973	I	0 .630059E-01	0.304055	32 .804818E-02	0.926339				
3 .21.171	0.515407	14 .204266E-06	0.999984	I	3 .683662E-01	0.112067	19 .222256E-03	0.999984	I	0 .592991E-01	0.425973	33 .656661E-02	0.938675				
4 .19.1925	0.705285	15 .352335E-07	0.999995	I	4 .131246E-01	0.051932	20 .185144E-03	0.999995	I	0 .630059E-01	0.530881	34 .593168E-02	0.944406				
5 .18.2904E-01	0.995591	16 .451438E-08	1.000000	I	5 .118004E-01	0.0986925	21 .097619E-04	0.999999	I	0 .543744E-01	0.576262	35 .480978E-02	0.949560				
6 .18.2904E-01	0.995591	17 .553105E-09	1.000000	I	6 .108246E-01	0.131190	22 .171921E-04	0.999999	I	0 .410330E-01	0.617275	36 .437117E-02	0.95175				
7 .18.2904E-01	0.995591	18 .653462E-10	1.000000	I	7 .141860	0.057226	23 .373994E-04	0.999995	I	0 .462299E-01	0.122649	37 .109203E-01	0.899016				
8 .17.6750E-02	0.999638	19 .761119E-08	1.000000	I	8 .108246E-01	0.131190	20 .185144E-03	0.999999	I	0 .543744E-01	0.576262	38 .480978E-02	0.949560				
RHO=.50																	
0 .27.1146E-01	0.027211	11 .923375E-03	0.999915	I	0 .118515E-01	0.001527	16 .112203E-02	0.999941	I	0 .558364E-01	0.178443	30 .988601E-02	0.907880				
1 .09C170E-01	0.125249	12 .279383E-04	0.999955	I	1 .00529E-01	0.001527	17 .073375E-02	0.999955	I	0 .617664E-01	0.240249	31 .899997E-02	0.916790				
2 .17.631	0.30180	13 .782464E-05	0.999973	I	2 .320686E-01	0.043700	18 .172020E-02	0.999973	I	0 .630059E-01	0.304055	32 .804818E-02	0.926339				
3 .21.171	0.515407	14 .204266E-06	0.999984	I	3 .683662E-01	0.112067	19 .222256E-03	0.999984	I	0 .592991E-01	0.425973	33 .656661E-02	0.938675				
4 .19.1925	0.705285	15 .352335E-07	0.999995	I	4 .131246E-01	0.051932	20 .185144E-03	0.999995	I	0 .630059E-01	0.530881	34 .593168E-02	0.944406				
5 .18.2904E-01	0.995591	16 .451438E-08	1.000000	I	5 .118004E-01	0.0986925	21 .097619E-04	0.999999	I	0 .543744E-01	0.576262	35 .480978E-02	0.949560				
6 .18.2904E-01	0.995591	17 .553105E-09	1.000000	I	6 .108246E-01	0.131190	22 .171921E-04	0.999999	I	0 .410330E-01	0.617275	36 .437117E-02	0.95175				
7 .18.2904E-01	0.995591	18 .653462E-10	1.000000	I	7 .141860	0.057226	23 .373994E-04	0.999995	I	0 .462299E-01	0.122649	37 .109203E-01	0.899016				
RHO=.60																	
0 .526038E-02	0.006260	13 .-321223E-02	0.997702	I	0 .975537E-02	0.000131	22 .-280794E-02	0.992463	I	0 .126740E-01	0.037367	30 .126631E-01	0.375272				
1 .231376E-01	0.027396	14 .-193970E-02	0.999702	I	1 .091210E-02	0.000123	23 .-204982E-02	0.995509	I	0 .149120E-01	0.052279	31 .124115E-01	0.387694				
2 .628937E-01	0.096291	15 .-561730E-03	0.999936	I	2 .456607E-02	0.000579	24 .-162050E-02	0.973017	I	0 .166490E-01	0.088728	32 .121630E-01	0.399846				
3 .111412	0.204615	16 .-223216E-03	0.999950	I	3 .-105700E-02	0.000120	25 .-105854E-02	0.997085	I	0 .173241E-01	0.030375	33 .120374E-01	0.399846				
4 .105081	0.445512	17 .-204615E-04	0.999966	I	4 .-958416E-02	0.000120	26 .-117310E-02	0.999982	I	0 .180234E-01	0.013.8	34 .139946E-01	0.309337				
5 .104059E-01	0.995591	18 .-942304E-05	1.000000	I	5 .-627113E-02	0.000120	27 .-167032E-02	0.999987	I	0 .187030E-01	0.013.8	35 .122205E-01	0.323059				
6 .103058E-01	0.995591	19 .-822264E-06	1.000000	I	6 .-472050E-02	0.000120	28 .-162668E-02	0.999987	I	0 .192804E-02	0.007831	36 .174488E-01	0.336				

M/D/9 COF OF WAITING TIME IN THE QUEUE

TIME	T	P(WTC=0)	TIME	T	P(WTC=1)	TIME	T	P(WTC=0)	TIME	T	P(WTC=1)	TIME	T	P(WTC=0)	TIME	T	P(WTC=1)	TIME	T	P(WTC=0)	TIME	T	P(WTC=1)				
880= .10																											
0.0	1.000000		0.0	0.929992	0.7	0.999785	0.0	0.691612	1.1	0.999020	0.0	0.336294	1.8	0.995420	0.0	0.115104	1.5	0.956710	0.1	0.496332	1.6	0.962413	0.1	0.576636	1.7	0.968066	
			0.1	0.957769	0.8	0.999910	0.1	0.772065	1.2	0.998796	0.1	0.415104	1.5	0.956710	0.2	0.596332	1.6	0.962413	0.2	0.576636	1.7	0.968066					
			0.2	0.976757	0.9	0.999930	0.2	0.840272	1.3	0.998766	0.2	0.496332	1.6	0.962413	0.3	0.576636	1.7	0.968066									
			0.3	0.986593	1.0	0.999950	0.3	0.928268	1.4	0.998553	0.3	0.596332	1.6	0.962413	0.4	0.676636	1.7	0.968066									
0.0	0.999899	0.1	0.999923	0.1	0.999940	0.4	0.940861	1.5	0.998934	0.4	0.696332	1.6	0.962413	0.5	0.776636	1.7	0.968066										
0.1	0.999950	0.2	0.999950	0.5	0.999970	0.5	0.960861	1.6	0.998934	0.5	0.776636	1.7	0.968066	0.6	0.856636	1.8	0.972169										
0.2	0.999960			0.6	0.999970	0.6	0.976591	1.7	0.998934	0.6	0.856636	1.8	0.972169	0.7	0.757636	1.9	0.978155										
880= .20																											
880= .30																											
0.0	0.999981	0.0	0.999950	0.0	0.999950	0.0	0.891313	0.8	0.999700	1.0	0.998753	0.0	0.329999	3.0	0.997236	0.1	0.586952	4.0	0.995772	0.2	0.666952	5.0	0.999331	0.3	0.746952	6.0	0.999930
0.1	0.999957	0.5	0.999987	0.1	0.999987	0.1	0.931164	0.9	0.999722	0.2	0.998753	0.1	0.329999	3.0	0.997236	0.3	0.407771	3.5	0.999930	0.4	0.487771	4.0	0.999930	0.5	0.567771	4.5	0.999930
0.2	0.999950	0.6	0.999980	0.2	0.999980	0.2	0.946888	1.0	0.999745	0.3	0.998753	0.2	0.329999	3.0	0.997236	0.4	0.407771	3.5	0.999930	0.5	0.487771	4.0	0.999930	0.6	0.567771	4.5	0.999930
0.3	0.999942			0.3	0.970865	1.1	0.999977	0.4	0.992200	1.2	0.999950	0.5	0.592835	1.2	0.998807	0.6	0.676636	1.3	0.996503	0.7	0.757636	1.4	0.998807	0.8	0.836245	1.5	0.999930
880= .40																											
0.0	0.999981	0.0	0.999950	0.0	0.999950	0.0	0.891313	0.8	0.999700	1.0	0.998753	0.0	0.329999	3.0	0.997236	0.1	0.586952	4.0	0.995772	0.2	0.666952	5.0	0.999331	0.3	0.746952	6.0	0.999930
0.1	0.999957	0.5	0.999987	0.1	0.999987	0.1	0.931164	0.9	0.999722	0.2	0.998753	0.1	0.329999	3.0	0.997236	0.3	0.407771	3.5	0.999930	0.4	0.487771	4.0	0.999930	0.5	0.567771	4.5	0.999930
0.2	0.999950	0.6	0.999980	0.2	0.999980	0.2	0.946888	1.0	0.999745	0.3	0.998753	0.2	0.329999	3.0	0.997236	0.4	0.407771	3.5	0.999930	0.5	0.487771	4.0	0.999930	0.6	0.567771	4.5	0.999930
0.3	0.999942			0.3	0.970865	1.1	0.999977	0.4	0.992200	1.2	0.999950	0.5	0.592835	1.2	0.998807	0.6	0.676636	1.3	0.996503	0.7	0.757636	1.4	0.998807	0.8	0.836245	1.5	0.999930
880= .50																											
0.0	0.999981	0.0	0.999950	0.0	0.999950	0.0	0.891313	0.8	0.999700	1.0	0.998753	0.0	0.329999	3.0	0.997236	0.1	0.586952	4.0	0.995772	0.2	0.666952	5.0	0.999331	0.3	0.746952	6.0	0.999930
0.1	0.999957	0.5	0.999987	0.1	0.999987	0.1	0.931164	0.9	0.999722	0.2	0.998753	0.1	0.329999	3.0	0.997236	0.3	0.407771	3.5	0.999930	0.4	0.487771	4.0	0.999930	0.5	0.567771	4.5	0.999930
0.2	0.999950	0.6	0.999980	0.2	0.999980	0.2	0.946888	1.0	0.999745	0.3	0.998753	0.2	0.329999	3.0	0.997236	0.4	0.407771	3.5	0.999930	0.5	0.487771	4.0	0.999930	0.6	0.567771	4.5	0.999930
0.3	0.999942			0.3	0.970865	1.1	0.999977	0.4	0.992200	1.2	0.999950	0.5	0.592835	1.2	0.998807	0.6	0.676636	1.3	0.996503	0.7	0.757636	1.4	0.998807	0.8	0.836245	1.5	0.999930
880= .60																											
0.0	0.999981	0.0	0.999950	0.0	0.999950	0.0	0.891313	0.8	0.999700	1.0	0.998753	0.0	0.329999	3.0	0.997236	0.1	0.586952	4.0	0.995772	0.2	0.666952	5.0	0.999331	0.3	0.746952	6.0	0.999930
0.1	0.999957	0.5	0.999987	0.1	0.999987	0.1	0.931164	0.9	0.999722	0.2	0.998753	0.1	0.329999	3.0	0.997236	0.3	0.407771	3.5	0.999930	0.4	0.487771	4.0	0.999930	0.5	0.567771	4.5	0.999930
0.2	0.999950	0.6	0.999980	0.2	0.999980	0.2	0.946888	1.0	0.999745	0.3	0.998753	0.2	0.329999	3.0	0.997236	0.4	0.407771	3.5	0.999930	0.5	0.487771	4.0	0.999930	0.6	0.567771	4.5	0.999930
0.3	0.999942			0.3	0.970865	1.1	0.999977	0.4	0.992200	1.2	0.999950	0.5	0.592835	1.2	0.998807	0.6	0.676636	1.3	0.996503	0.7	0.757636	1.4	0.998807	0.8	0.836245	1.5	0.999930
880= .70																											
0.0	0.999981	0.0	0.999950	0.0	0.999950	0.0	0.891313	0.8	0.999700	1.0	0.998753	0.0	0.329999	3.0	0.997236	0.1	0.586952	4.0	0.995772	0.2	0.666952	5.0	0.999331	0.3	0.746952	6.0	0.999930
0.1	0.999957	0.5	0.999987	0.1	0.999987	0.1	0.931164	0.9	0.999722	0.2	0.998753	0.1	0.329999	3.0	0.997236	0.3	0.407771	3.5	0.999930	0.4	0.487771	4.0	0.999930	0.5	0.567771	4.5	0.999930
0.2	0.999950	0.6	0.999980	0.2	0.999980	0.2	0.946888	1.0	0.999745	0.3	0.998753	0.2	0.329999	3.0	0.997236	0.4	0.407771	3.5	0.999930	0.5	0.487771	4.0	0.999930	0.6	0.567771	4.5	0.999930
0.3	0.999942			0.3	0.970865	1.1	0.999977	0.4	0.992200	1.2	0.999950	0.5	0.592835	1.2	0.998807	0.6	0.676636	1.3	0.996503	0.7	0.757636	1.4	0.998807	0.8	0.836245	1.5	0.999930
880= .80																											
0.0	0.999981	0.0	0.999950	0.0	0.999950	0.0	0.891313	0.8	0.999700	1.0	0.998753	0.0	0.329999	3.0	0.997236	0.1	0.586952	4.0	0.995772	0.2	0.666952	5.0	0.999331	0.3	0.746952	6.0	0.999930
0.1	0.999957	0.5	0.999987	0.1	0.999987	0.1	0.931164	0.9	0.999722	0.2	0.998753	0.1	0.329999	3.0	0.997236	0.3	0.407771	3.5	0.999930	0.4	0.487771	4.0	0.999930	0.5	0.567771	4.5	0.999930
0.2	0.999950	0.6	0.999980	0.2	0.999980	0.2	0.946888	1.0	0.999745	0.3	0.998753	0.2	0.329999	3.0	0.997236	0.4	0.407771	3.5	0.999930	0.5	0.487771	4.0	0.999930	0.6	0.567771	4.5	0.999930
0.3	0.999942			0.3	0.970865	1.1	0.999977	0.4	0.992200	1.2	0.999950	0.5	0.592835	1.2	0.998807	0.6	0.676636	1.3	0.996503	0.7	0.757636	1.4	0.998807	0.8	0.836245	1.5	0.999930
880= .90																											
0.0	0.999981	0.0	0.999950																								

M/D/10 CDF OF NUMBER IN SYSTEM

STATE	PIN=11	PINC=11	STATE	PIN=11	PINC=11	STATE	PIN=11	PINC=11	STATE	PIN=11	PINC=11	STATE	PIN=11	PINC=11	STATE	PIN=11	PINC=11	STATE	PIN=11	PINC=11	RHO=.10
RHO=.20																					
0 .367879	0 .367879	6 .510946E-03 0 .999917	0 .795903E-03 0 .000799	16 .100769E-01 0 .987761	0 .186494E-04 0 .000019	22 .244089E-01 0 .772063															
1 .367879	0 .735759	7 .729920E-01 0 .999990	1 .561078E-02 0 .006115	17 .588700E-02 0 .993660	1 .181059E-03 0 .000201	23 .220680E-01 0 .794091															
2 .183560	0 .919699	9 .012400E-03 0 .999999	2 .198617E-01 0 .024267	18 .309687E-02 0 .996744	2 .890657E-03 0 .001091	24 .191956E-01 0 .814007															
3 .613132E-01	0 .981012	9 .101378E-05 1 .000000	3 .468882E-01 0 .073163	17 .159832E-02 0 .998363	3 .292457E-02 0 .000416	25 .170859E-01 0 .831996															
4 .153203E-01	0 .996340	18 .101378E-06 1 .000000	4 .832004E-01 0 .156365	18 .815851E-03 0 .991159	4 .725237E-02 0 .011246	26 .162459E-01 0 .848266															
5 .304544E-02	0 .999406	11 .921616E-08 1 .000000	5 .118632E-01 0 .219791	19 .410312E-03 0 .998773	5 .144713E-02 0 .040251	27 .146777E-01 0 .862976															
RHO=.30																					
0 .135354	0 .135336	8 .893126E-03 0 .999763	0 .795903E-03 0 .000799	16 .100769E-01 0 .987761	0 .186494E-04 0 .000019	22 .244089E-01 0 .772063															
1 .210603	0 .504003	9 .199616E-03 0 .999953	1 .561078E-02 0 .006115	17 .588700E-02 0 .993660	1 .181059E-03 0 .000201	23 .220680E-01 0 .794091															
2 .21047C	0 .676676	10 .178129E-04 0 .999997	2 .198617E-01 0 .024267	18 .309687E-02 0 .996744	2 .890657E-03 0 .001091	24 .191956E-01 0 .814007															
3 .180548	0 .857122	11 .695436E-03 0 .999999	3 .468882E-01 0 .073163	19 .815851E-03 0 .991159	3 .292457E-02 0 .000416	25 .170859E-01 0 .831996															
4 .902444E-C1	0 .947236	12 .115743E-05 1 .000000	4 .832004E-01 0 .156365	20 .101032E-03 0 .998773	5 .144713E-02 0 .040251	27 .146777E-01 0 .862976															
5 .360900E-01	0 .983136	13 .178073E-06 1 .000000	5 .118632E-01 0 .219791	21 .101032E-03 0 .998773	7 .350557E-01 0 .050251	28 .147777E-01 0 .862976															
6 .120303E-01	0 .953566	14 .259403E-07 1 .000000	6 .164645E-01 0 .315743	22 .101032E-03 0 .998773	7 .350557E-01 0 .050251	29 .147777E-01 0 .862976															
7 .343721E-02	0 .998903	15 .339228E-08 1 .000000	7 .350557E-01 0 .315743	23 .101032E-03 0 .998773	8 .447848E-01 0 .132090	30 .108175E-01 0 .889916															
RHO=.40																					
0 .497725E-Q1	0 .049773	9 .270374E-02 0 .998896	0 .34666335E-03 0 .000079	16 .670849E-02 0 .990675	0 .446438E-01 0 .485797	26 .587568E-02 0 .945127															
1 .149572	0 .951010	10 .011453E-03 0 .999707	1 .337814E-02 0 .003433	17 .394685E-02 0 .996624	1 .495049E-01 0 .533304	27 .530730E-02 0 .950435															
2 .220402	0 .623113	11 .221619E-05 0 .999928	2 .120710E-01 0 .016705	18 .220059E-02 0 .996624	2 .495049E-01 0 .533304	28 .479604E-02 0 .950435															
3 .227403	0 .647140	12 .159519E-04 0 .999978	3 .226778E-01 0 .094932	19 .151282E-02 0 .998217	3 .536604E-01 0 .188359	29 .771215E-02 0 .925545															
4 .168046	0 .815199	13 .127937E-04 0 .999977	4 .624066E-01 0 .111780	20 .140228E-02 0 .999985	4 .626211E-01 0 .311175	30 .720137E-02 0 .922767															
5 .160602	0 .916036	14 .274466E-05 0 .999999	5 .958872E-01 0 .207475	21 .183924E-02 0 .999998	5 .833525E-01 0 .431639	31 .650408E-02 0 .939292															
6 .504298E-01	0 .966466	15 .367942E-06 1 .000000	6 .122830E-01 0 .330350	22 .250810E-02 0 .999968	6 .144645E-01 0 .485797	32 .587568E-02 0 .945127															
7 .216174E-01	0 .988003	16 .103284E-06 1 .000000	7 .135936E-01 0 .953306	23 .144645E-02 0 .999903	7 .188751E-01 0 .485797	33 .495049E-02 0 .950435															
8 .810661E-02	0 .996192	17 .182784E-07 1 .000000	8 .100196E-01 0 .953306	24 .161903E-02 0 .999903	8 .209221E-01 0 .720611	34 .393137E-02 0 .967006															
RHO=.50																					
0 .182628E-01	0 .0161263	11 .195491E-02 0 .999964	9 .137814E-01 0 .000799	12 .160321E-02 0 .999964	10 .590365E-05 0 .000006	22 .228830E-01 0 .4463105															
1 .133208E-01	0 .0161263	12 .160321E-02 0 .999964	10 .137814E-01 0 .000799	13 .160321E-02 0 .999964	11 .555511E-06 0 .000065	23 .219050E-01 0 .4463096															
2 .144257	0 .2317607	13 .203201E-03 0 .999921	11 .137814E-01 0 .000799	14 .161810E-01 0 .016705	12 .301855E-06 0 .000067	24 .211130E-01 0 .4461949															
3 .195151	0 .6232748	14 .321619E-04 0 .999979	12 .137814E-01 0 .000799	15 .161810E-01 0 .016705	13 .302695E-06 0 .000067	25 .202196E-01 0 .506478															
4 .159526	0 .628064	15 .159519E-04 0 .999995	13 .137814E-01 0 .000799	16 .161810E-01 0 .016705	14 .310242E-06 0 .000067	26 .211205E-01 0 .506478															
5 .156385	0 .784629	16 .396262E-05 0 .999999	14 .137814E-01 0 .000799	17 .161810E-01 0 .016705	15 .311242E-06 0 .000067	27 .212212E-01 0 .506478															
6 .104373	0 .888806	17 .965943E-05 0 .999999	15 .137814E-01 0 .000799	18 .161810E-01 0 .016705	16 .312242E-06 0 .000067	28 .213222E-01 0 .506478															
7 .599723E-01	0 .9484533	18 .216218E-06 1 .000000	16 .137814E-01 0 .000799	19 .161810E-01 0 .016705	17 .313252E-06 0 .000067	29 .214222E-01 0 .506478															
8 .299151E-01	0 .978469	19 .170270E-07 1 .000000	17 .137814E-01 0 .000799	20 .161810E-01 0 .016705	18 .314252E-06 0 .000067	30 .215232E-01 0 .506478															
9 .133261E-01	0 .919172	20 .983298E-08 1 .000000	18 .137814E-01 0 .000799	21 .161810E-01 0 .016705	19 .315242E-06 0 .000067	31 .216242E-01 0 .506478															
10 .534399E-02	0 .997116	21 .189597E-09 1 .000000	19 .137814E-01 0 .000799	22 .161810E-01 0 .016705	20 .316190E-06 0 .000067	32 .217252E-01 0 .506478															
RHO=.60																					
0 .664054E-02	0 .006461	12 .363941E-02 0 .997782	1 .34666335E-03 0 .000079	13 .270374E-02 0 .999939	1 .446438E-02 0 .000383	2 .277048E-02 0 .999939															
1 .352608E-01	0 .039901	13 .162701E-02 0 .999211	2 .137814E-02 0 .003433	14 .270374E-02 0 .999939	2 .446438E-02 0 .000383	3 .277048E-02 0 .999939															
2 .833210E-01	0 .123222	14 .322522E-02 0 .999734	3 .137814E-01 0 .000799	15 .270374E-02 0 .999939	3 .446438E-02 0 .000383	4 .277048E-02 0 .999939															
3 .139201	0 .4264243	15 .180598E-03 0 .999915	4 .137814E-01 0 .000799	16 .270374E-02 0 .999939	5 .446438E-02 0 .000383	6 .277048E-02 0 .999939															
4 .176494	0 .43031919	16 .159307E-04 0 .999974	5 .137814E-01 0 .000799	17 .270374E-02 0 .999939	6 .446438E-02 0 .000383	7 .277048E-02 0 .999939															
5 .175090	0 .612009	17 .184664E-05 0 .999992	6 .137814E-01 0 .000799	18 .270374E-02 0 .999939	7 .446438E-02 0 .000383	8 .277048E-02 0 .999939															
6 .144505	0 .759516	18 .353966E-05 0 .999999	7 .137814E-01 0 .000799	19 .270374E-02 0 .999939	8 .446438E-02 0 .000383	9 .277048E-02 0 .999939															
7 .105172	0 .863689	19 .125201E-05 0 .999999	8 .137814E-01 0 .000799	20 .270374E-02 0 .999939	9 .446438E-02 0 .000383	10 .277048E-02 0 .999939															
8 .666115E-01	0 .912573	20 .259464E-06 0 .999999	9 .137814E-01 0 .000799	21 .270374E-02 0 .999939	10 .446438E-02 0 .000383	11 .277048E-02 0 .999939															
9 .536250E-01	0 .942591	21 .807951E-06 1 .000000	10 .137814E-01 0 .000799	22 .270374E-02 0 .999939	11 .446438E-02 0 .000383																

M/D/10 CDF OF WAITING TIME IN THE QUEUE

TIME	T	P(WTC=1)	TIME	T	P(WTC=1)	TIME	T	P(WTC=1)	TIME	T	P(WTC=1)	TIME	T	P(WTC=1)	TIME	T	P(WTC=1)
880=10																	
0.0	1.000000		0.0	0.992591	0.6	0.999747	0.0	0.718960	1.1	0.999973	0.0	0.353139	1.4	0.999960			
0.1	0.997175	0.7	0.999900	0.1	0.718523	1.2	0.999983	0.1	0.353133	1.5	0.999935						
0.2	0.994181	0.8	0.999941	0.2	0.718495	1.3	0.999988	0.2	0.353132	1.6	0.999930						
0.3	0.992108	0.9	0.999959	0.3	0.715282	1.4	0.999993	0.3	0.357475	1.7	0.999921						
0.4	0.991084	1.0	0.999966	0.4	0.715217	1.5	0.999996	0.4	0.360460	1.8	0.999917						
0.5	0.990953	0.2	0.999993	0.5	0.717195	1.6	0.999999	0.5	0.707186	1.9	0.999908						
0.6	0.990801	0.3	0.999996	0.6	0.700011	1.7	0.999992	0.6	0.700110	2.0	0.999901						
880=20																	
0.0	0.999953	0.2	0.999993	0.0	0.999918	1.1	0.999991	0.0	0.999911	1.2	0.999979						
0.1	0.999901	0.3	0.999996	0.1	0.999918	1.2	0.999991	0.1	0.999911	1.3	0.999982						
880=30																	
0.0	0.999895	0.2	0.999930	0.0	0.607449	0.7	0.999967	0.0	0.599769	1.0	0.999997						
0.1	0.999857	0.3	0.999981	0.1	0.608296	0.8	0.999972	0.1	0.599688	1.2	0.999997						
0.2	0.999798	0.5	0.999996	0.2	0.609551	0.9	0.999980	0.2	0.599627	1.3	0.999997						
0.3	0.999729	1.0	0.999996	0.3	0.609529	1.0	0.999996	0.3	0.599570	1.4	0.999996						
880=40																	
0.0	0.999772	0.5	0.999988	0.0	0.597417	1.2	0.999997	0.0	0.615201	1.2	0.999991						
0.1	0.999713	0.5	0.999997	0.1	0.599167	1.3	0.999999	0.1	0.615043	1.3	0.999997						
0.2	0.999690	0.6	0.999997	0.2	0.599167	1.4	0.999999	0.2	0.615043	1.4	0.999997						
0.3	0.999349	0.7	0.999999	0.3	0.597717	1.5	0.999992	0.3	0.615020	1.5	0.999998						
880=50																	
0.0	0.999172	0.5	0.999988	0.0	0.599172	0.6	0.999926	0.0	0.615201	1.2	0.999991						
0.1	0.999113	0.5	0.999997	0.1	0.599167	1.3	0.999999	0.1	0.615043	1.3	0.999997						
0.2	0.999100	0.6	0.999997	0.2	0.598070	1.0	0.999995	0.2	0.615020	1.5	0.999998						
0.3	0.999091	0.7	0.999999	0.3	0.598070	1.1	0.999995	0.3	0.615016	1.6	0.999992						
880=65																	
0.0	0.998952	0.5	0.999911	0.0	0.597259	1.1	0.999954	0.0	0.606038	1.6	0.999977						
0.1	0.998195	0.6	0.999996	0.1	0.597122	1.2	0.999951	0.1	0.606038	1.7	0.999975						
0.2	0.998123	0.7	0.999976	0.2	0.598431	1.3	0.999951	0.2	0.606020	1.8	0.999976						
0.3	0.998027	0.8	0.999993	0.3	0.597430	1.4	0.999956	0.3	0.605851	1.9	0.999999						
0.4	0.998076	0.9	0.999996	0.4	0.599059	1.5	0.999996	0.4	0.605851	2.0	0.999999						
880=70																	
0.0	0.705672	1.0	0.999773	0.0	0.599102	1.3	0.999950	0.1	0.590409	1.6	0.999970						
0.1	0.662461	1.1	0.999773	0.2	0.600098	1.5	0.999954	0.2	0.600098	1.6	0.999971						
0.2	0.616638	1.2	0.999950	0.3	0.600175	1.6	0.999961	0.3	0.600175	1.7	0.999972						
0.3	0.595129	1.3	0.999961	0.4	0.600470	1.7	0.999969	0.4	0.622995	1.8	0.999977						
0.4	0.570300	1.4	0.999971	0.5	0.600470	1.8	0.999971	0.5	0.622995	1.9	0.999987						
0.5	0.507237	1.5	0.999990	0.6	0.600470	1.9	0.999990	0.6	0.622995	2.0	0.999997						
0.6	0.493709	1.6	0.999993	0.7	0.600470	2.0	0.999993	0.7	0.622995	2.1	0.999995						
0.7	0.484716	1.7	0.999996	0.8	0.551017	2.0	0.999996	0.8	0.551017	2.1	0.999997						
0.8	0.484354	1.8	0.999996	0.9	0.566311	2.0	0.999996	0.9	0.566311	2.1	0.999996						
0.9	0.499159	1.9	0.999996	1.0	0.576009	2.0	0.999996	1.0	0.576009	2.1	0.999996						
880=85																	
0.0	0.639586	2.0	0.999983	0.1	0.596657	2.0	0.999983	0.1	0.596657	2.1	0.999983						

M/D/12 CDF OF NUMBER IN SYSTEM

STATE I	PIN+II	PINC+III	STATE I	PIN+II	PINC+III	STATE I	PIN+II	PINC+III	STATE I	PIN+II	PINC+III	STATE I	PIN+II	PINC+III	STATE I	PIN+II	PINC+III	STATE I	PIN+II	PINC+III
RHO= .10																				
3 .301195	0 .101195	0 .124911E-02 0 .999749	0 .201120E-03 0 .000201	15 .269246E-01 0 .963783	0 .297207E-05 0 .003003	22 .294057E-01 0 .725685														
1 .301473	0 .042627	0 .114365E-03 0 .999963	1 .16952E-02 0 .001900	15 .161703E-01 0 .979981	1 .345603E-06 0 .000016	23 .265545E-01 0 .752060														
2 .216860	0 .879687	0 .182026E-04 0 .999995	2 .718200E-02 0 .000402	16 .92732CE-02 0 .989236	2 .201580E-03 0 .000239	24 .239836E-01 0 .776023														
3 .867339E-01	0 .966231	0 .120283E-04 0 .999995	3 .202559E-01 0 .029342	17 .511216E-02 0 .995347	3 .78633CE-03 0 .001025	25 .216630E-01 0 .797686														
4 .260232E-01	0 .952256	10 .513921E-04 1 .000000	4 .29120E-01 0 .042256	10 .273258E-02 0 .997079	4 .211053E-02 0 .003336	26 .195677E-01 0 .813256														
5 .625595E-02	0 .998500	11 .590664E-07 1 .000000	5 .10549E-01 0 .164507	19 .142858E-02 0 .998507	5 .345598E-02 0 .008796	27 .176752E-01 0 .834929														
RHO= .20																				
0 .907178E-01	0 .040718	0 .247665E-02 0 .999138	7 .125952	0 .375162	7 .130276E-03 0 .999615	8 .108207E-01 0 .019616	28 .159658E-01 0 .850895													
1 .274124	0 .040709	9 .660442E-03 0 .999978	8 .13026	0 .507788	8 .149770E-02 0 .999695	9 .165276E-01 0 .038166	29 .164216E-01 0 .865917													
2 .261245	0 .040709	10 .159506E-03 0 .999957	12 .76269	0 .635617	13 .961748E-02 0 .999001	10 .381420E-01 0 .104339	30 .130286E-01 0 .878393													
3 .200014	0 .778707	11 .345833E-04 0 .999992	10 .10909C	0 .765267	10 .488772E-04 0 .999950	11 .476658E-01 0 .151805	31 .150281E-01 0 .900739													
4 .125405	0 .004131	12 .691664E-05 0 .999998	11 .664180E-01	0 .831685	11 .247666E-04 0 .999976	12 .546764E-01 0 .204681	32 .94046E-02 0 .910340													
5 .601942E-01	0 .564327	13 .691664E-05 0 .999998	13 .4242235E-01	0 .936854	12 .627669E-01 0 .999987	14 .59063E-01 0 .326046	33 .783331E-02 0 .928465													
6 .210785E-01	0 .984600	14 .218004E-06 1 .000000	7 .02555CE-02	0 .996461	15 .350249E-07 1 .000000	16 .650725E-05 0 .999993	34 .707366E-02 0 .933721													
RHO= .30																				
0 .273210E-01	0 .027321	9 .764921E-02 0 .999574	0 .102834E-03 0 .000103	16 .168177E-01 0 .975046	1 .932265E-03 0 .000136	17 .103276E-02 0 .985337	1 .446473E-01 0 .038166	18 .521474E-02 0 .951300												
1 .365767E-01	0 .125679	10 .273539E-03 0 .999728	3 .120238E-01	0 .018103	19 .35959E-02 0 .995076	2 .446757E-01 0 .030276	19 .65595E-01 0 .040753													
2 .177005	0 .502526	11 .902392E-03 0 .999679	4 .292163E-01	0 .067319	20 .808754E-02 0 .997163	3 .260648E-01 0 .038351	20 .366628E-01 0 .0464108													
3 .212443	0 .040709	12 .902392E-03 0 .999679	5 .533108E-01	0 .100638	21 .120380E-02 0 .998367	4 .192864E-01 0 .030709	21 .347253E-02 0 .967580													
4 .191223	0 .706513	13 .902392E-03 0 .999675	6 .812064E-01	0 .181282	22 .492666E-03 0 .999604	5 .197241E-01 0 .030709	22 .377312E-02 0 .9646085													
5 .137606	0 .664088	14 .902392E-03 0 .999675	7 .106535	0 .288657	23 .398509E-03 0 .999548	6 .159720E-01 0 .030709	23 .299836E-02 0 .9646085													
6 .826150E-01	0 .926713	15 .193641E-05 0 .999996	8 .122632	0 .611089	24 .189246E-03 0 .999688	7 .107110E-04 0 .000012	24 .236637E-01 0 .400595													
7 .629859E-01	0 .969320	16 .104102E-05 1 .000000	9 .126062	0 .537151	25 .132217E-03 0 .999620	8 .107110E-04 0 .000012	25 .236637E-01 0 .400595													
8 .191214E-01	0 .988325	17 .220590E-06 1 .000000	10 .10909C	0 .659665	26 .762413E-04 0 .999696	9 .107110E-04 0 .000012	26 .236637E-01 0 .400595													
RHO= .40																				
0 .821753E-02	0 .008218	11 .655101E-02 0 .999593	12 .258379E-02	0 .996201	12 .500404E-03 0 .999593	13 .204847E-01 0 .959023	31 .467183E-03 0 .999993	0 .890892E-06 0 .000000												
1 .394564E-01	0 .040762	13 .258379E-02 0 .999593	13 .59559E-02	0 .996201	13 .56219CE-02 0 .998953	14 .107110E-04 0 .000012	14 .236637E-01 0 .400595													
2 .957139E-01	0 .142383	13 .95595E-02 0 .999593	14 .328283E-02	0 .999851	14 .531239E-02 0 .999537	15 .107110E-04 0 .000012	15 .236637E-01 0 .400595													
3 .151578	0 .293961	15 .328283E-02 0 .999851	15 .90648E-01	0 .020091	15 .832094E-02 0 .998453	16 .107110E-04 0 .000012	16 .236637E-01 0 .400595													
4 .181944	0 .975909	16 .105323E-03 0 .999956	16 .490776E-03	0 .000541	16 .531239E-02 0 .999537	17 .107110E-04 0 .000012	17 .236637E-01 0 .400595													
5 .176732	0 .630642	17 .317023E-04 0 .999958	17 .490776E-03	0 .000541	17 .531239E-02 0 .999537	18 .107110E-04 0 .000012	18 .236637E-01 0 .400595													
6 .139344	0 .790488	18 .88969E-05 0 .999997	18 .772056E-02	0 .010655	18 .772056E-02 0 .999576	19 .107110E-04 0 .000012	19 .236637E-01 0 .400595													
7 .959601E-01	0 .886426	19 .261090E-05 0 .999998	19 .306436E-02	0 .000341	19 .306436E-02 0 .999576	20 .107110E-04 0 .000012	20 .236637E-01 0 .400595													
8 .577405E-01	0 .964626	20 .161362E-06 1 .000000	20 .386436E-02	0 .000342	20 .386436E-02 0 .999576	21 .107110E-04 0 .000012	21 .236637E-01 0 .400595													
9 .307405E-01	0 .976766	20 .146781E-06 1 .000000	20 .402279E-02	0 .000342	20 .402279E-02 0 .999576	21 .276405E-02 0 .999576	22 .107110E-04 0 .000012	22 .236637E-01 0 .400595												
10 .147688E-01	0 .989323	21 .344581E-07 1 .000000	21 .116351	0 .432051	21 .116351 0 .432051	22 .116351 0 .432051	23 .116351 0 .432051	23 .107110E-04 0 .000012	23 .236637E-01 0 .400595											
RHO= .50																				
0 .245807E-02	0 .002456	12 .115065E-01 0 .990051	12 .169330E-02	0 .996201	12 .515962E-02 0 .971649	13 .107110E-04 0 .000012	13 .236637E-01 0 .400595	0 .404757E-06 0 .000000												
1 .147479E-02	0 .017207	13 .931303E-02 0 .996201	13 .59559E-02	0 .996201	13 .617169	14 .107110E-04 0 .000012	14 .236637E-01 0 .400595	1 .491766E-05 0 .000005												
2 .492744E-01	0 .061506	14 .231376E-04 0 .999815	14 .630561E-02	0 .987615	14 .630561E-02 0 .999815	15 .107110E-04 0 .000012	15 .236637E-01 0 .400595	2 .299836E-02 0 .000035												
3 .633227	0 .2823618	15 .356306E-04 0 .999807	15 .40235E-02	0 .986139	15 .40235E-02 0 .999807	16 .107110E-04 0 .000012	16 .236637E-01 0 .400595	3 .260648E-02 0 .000035												
4 .166744	0 .923961	16 .356306E-04 0 .999807	16 .420485E-02	0 .986139	16 .420485E-02 0 .999807	17 .107110E-04 0 .000012	17 .236637E-01 0 .400595	4 .166947E-02 0 .000035												
5 .137327	0 .4463562	17 .128219E-04 0 .999936	17 .480466E-02	0 .984455	17 .480466E-02 0 .999936	18 .107110E-04 0 .000012	18 .236637E-01 0 .400595	5 .299122E-02 0 .000035												
6 .152788	0 .040709	18 .513721E-04 0 .999971	18 .513721E-02	0 .984455	18 .513721E-02 0 .999971	19 .107110E-04 0 .000012	19 .236637E-01 0 .400595	6 .127961E-01 0 .037706												
7 .137812	0 .513721	19 .142219E-04 0 .999979	19 .513721E-02	0 .984455	19 .513721E-02 0 .999979	20 .107110E-04 0 .000012	20 .236637E-01 0 .400595	7 .127961E-01 0 .037706												
8 .121503	0 .845410	20 .144351E-04 0 .999988	20 .513721E-02	0 .984455	20 .513721E-02 0 .999988	21 .107110E-04 0 .000012	21 .236637E-01 0 .400595	8 .127961E-01 0 .037706												
9 .693041E-01	0 .916710	21 .135310E-04 0 .999988	21 .513721E-02	0 .984455	21 .513721E-02 0 .999988	22 .107110E-04 0 .000012	22 .236637E-01 0 .400595	9 .127961E-01 0 .037706												
10 .597432E-01	0 .926713	22 .191049E-04 0 .999988	22 .513721E-02	0 .984455	22 .513721E-02 0 .999988	23 .107110E-04 0 .000012	23 .236637E-01 0 .400595	10 .127961E-01 0 .037706					</td							

M/D/12 CDF OF WAITING TIME IN THE QUEUE

M/D/15 COF OF NUMBER IN SYSTEM

STATE	1	PIN=11	PINC=11	STATE	1	PIN=11	PINC=11	STATE	1	PIN=11	PINC=11	STATE	1	PIN=11	PINC=11	STATE	1	PIN=11	PINC=11	STATE	1	PIN=11	PINC=11	RHO=.10
0 .223130	0.223130	6 .352999E-02 0.999076	0 .2530C4E-06 0.00025	14 .656794E-01 0.821735	1 .186091E-06 0.003000	22 .389213E-01 0.636207																		
1 .336493	0.557282	7 .756427E-03 0.999830	1 .266533E-03 0.00292	15 .470620E-01 0.918797	1 .208525E-05 0.000003	23 .352133E-01 0.671421																		
2 .251021	0.808967	11 .161830E-03 0.999972	2 .140467E-02 0.001696	16 .318920E-01 0.950689	2 .194651E-05 0.000022	24 .310116E-01 0.703232																		
3 .129511	0.936358	9 .236383E-04 0.999994	3 .493608E-02 0.006632	17 .208686E-01 0.971176	3 .991128E-05 0.000116	25 .287249E-01 0.731957																		
4 .470665E-01	0.981424	10 .3546575E-05 0.999999	4 .130180E-01 0.019650	18 .125601E-01 0.983716	4 .362076E-05 0.000156	26 .259359E-01 0.757893																		
5 .141200E-01	0.995594	11 .483511E-06 1.000000	5 .276836E-01 0.047136	19 .735339E-02 0.991059	5 .976555E-03 0.001456	27 .2362C9E-01 0.781133																		
RHO=.12																								
RHO=.20																								
0 .457071E-01	0.659783	8 .810151E-02 0.996197	9 .138881E-01 0.170204	10 .221760E-03 0.999999	9 .159175E-01 0.013916	11 .155886E-01 0.055629																		
1 .330341	0.109168	9 .370501E-02 0.999898	10 .120892	0.900095	10 .2119C8E-01 0.051106	11 .140808E-01 0.868698																		
2 .224042	0.622190	10 .810152E-01 0.999708	11 .116851	0.618486	11 .317750E-01 0.088884	12 .127190E-01 0.881217																		
3 .224042	0.6467232	11 .222950E-03 0.999929	12 .103851	0.720837	12 .5023E1E-01 0.129207	13 .149888E-01 0.892706																		
4 .168031	0.815263	12 .552376E-04 0.999984	13 .854192E-01 0.06256	14 .246133E-04 0.999998	13 .472881E-01 0.177035	15 .103771E-01 0.903086																		
5 .100419	0.716002	13 .127971E-04 0.999997	14 .534095E-01 0.00256	15 .568415E-01 0.210516	16 .937391E-02 0.917457	17 .568779E-01 0.345238																		
6 .304694E-01	0.966491	14 .273153E-05 0.999999	15 .216040E-01 0.000000	16 .568415E-01 0.210516	17 .676830E-02 0.920573	18 .459889E-02 0.935461																		
7 .216040E-01	0.988095	15 .488299E-05 0.999999	RHO=.25																					
RHO=.30																								
0 .111088E-01	0.011109	9 .-211453E-01 0.982906	1 .112330E-04 0.000011	18 .4646773E-01 0.910066	1 .365538E-01 0.000001	2 .279193E-01 0.329967																		
1 .466008E-01	0.010999	10 .103123E-01 0.999331	2 .7180E0E-03 0.000856	19 .217864E-01 0.964393	2 .670581E-01 0.000001	3 .266643E-01 0.356611																		
2 .132475	0.117376	11 .326663E-02 0.997595	3 .270903E-02 0.003565	19 .160310E-01 0.978454	3 .5022E3E-01 0.000001	4 .156171E-01 0.494156																		
3 .166716	0.326292	12 .559924E-02 0.999195	4 .761282E-02 0.002236	20 .284746E-01 0.999999	4 .528643E-01 0.000005	5 .401617E-01 0.492480																		
4 .169807	0.532099	13 .559602E-03 0.999748	5 .370584E-02 0.001525	21 .316303E-01 0.992479	5 .528643E-01 0.000005	6 .459889E-01 0.937049																		
5 .170827	0.702926	14 .127974E-03 0.999926	6 .159882E-01 0.150925	22 .107076E-02 0.999516	6 .5325271E-07 0.000000	7 .225129E-01 0.452200																		
6 .126121	0.831047	15 .553054E-04 0.999995	7 .942614E-01 0.287206	23 .464676E-02 0.997974	7 .178175E-01 0.000001	8 .266643E-01 0.494559																		
7 .873651E-01	0.913161	16 .150151E-04 0.999995	8 .103048E-01 0.397246	24 .355066E-01 0.999519	8 .275535E-02 0.000001	9 .256219E-01 0.381033																		
8 .466330E-01	0.959761	17 .397476E-05 0.999999	9 .1416669	0.511923	25 .204742E-02 0.999723	10 .264121E-01 0.406245																		
RHO=.40																								
0 .247749E-02	0.002477	11 .-223961E-01 0.979882	12 .-223961E-02 0.991158	13 .-223961E-02 0.996364	14 .-223961E-02 0.999981	15 .-223961E-02 0.999999																		
1 .166657E-01	0.017363	16 .-223961E-03 0.999999	17 .-223961E-03 0.999999	18 .-223961E-03 0.999999	19 .-223961E-03 0.999999	20 .-223961E-03 0.999999																		
2 .646008E-01	0.061443	21 .-223961E-04 0.999999	22 .-223961E-04 0.999999	23 .-223961E-04 0.999999	24 .-223961E-04 0.999999	25 .-223961E-04 0.999999																		
3 .166657E-01	0.111620	26 .-223961E-05 0.999999	27 .-223961E-05 0.999999	28 .-223961E-05 0.999999	29 .-223961E-05 0.999999	30 .-223961E-05 0.999999																		
4 .133827	0.284970	31 .-223961E-06 0.999981	32 .-223961E-06 0.999981	33 .-223961E-06 0.999981	34 .-223961E-06 0.999981	35 .-223961E-06 0.999981																		
5 .160519	0.455568	36 .-223961E-07 0.999981	37 .-223961E-07 0.999981	38 .-223961E-07 0.999981	39 .-223961E-07 0.999981	40 .-223961E-07 0.999981																		
6 .160615	0.606183	41 .-223961E-08 0.999981	42 .-223961E-08 0.999981	43 .-223961E-08 0.999981	44 .-223961E-08 0.999981	45 .-223961E-08 0.999981																		
7 .137766	0.743269	46 .-223961E-09 0.999981	47 .-223961E-09 0.999981	48 .-223961E-09 0.999981	49 .-223961E-09 0.999981	50 .-223961E-09 0.999981																		
8 .101279	0.867148	51 .-223961E-10 0.999981	52 .-223961E-10 0.999981	53 .-223961E-10 0.999981	54 .-223961E-10 0.999981	55 .-223961E-10 0.999981																		
9 .688632E-01	0.916011	56 .-223961E-11 0.999981	57 .-223961E-11 0.999981	58 .-223961E-11 0.999981	59 .-223961E-11 0.999981	60 .-223961E-11 0.999981																		
10 .413255E-01	0.957330	61 .-223961E-12 0.999981	62 .-223961E-12 0.999981	63 .-223961E-12 0.999981	64 .-223961E-12 0.999981	65 .-223961E-12 0.999981																		
RHO=.50																								
0 .950695E-03	0.000599	62 .-223961E-13 0.999981	63 .-223961E-13 0.999981	64 .-223961E-13 0.999981	65 .-223961E-13 0.999981	66 .-223961E-13 0.999981																		
1 .416211	0.000591	67 .-223961E-14 0.999981	68 .-223961E-14 0.999981	69 .-223961E-14 0.999981	70 .-223961E-14 0.999981	71 .-223961E-14 0.999981																		
2 .194942E-01	0.020175	72 .-223961E-15 0.999981	73 .-223961E-15 0.999981	74 .-223961E-15 0.999981	75 .-223961E-15 0.999981	76 .-223961E-15 0.999981																		
3 .181515E-01	0.058920	77 .-223961E-16 0.999981	78 .-223961E-16 0.999981	79 .-223961E-16 0.999981	80 .-223961E-16 0.999981	81 .-223961E-16 0.999981																		
4 .166716	0.116227	82 .-223961E-17 0.999981	83 .-223961E-17 0.999981	84 .-223961E-17 0.999981	85 .-223961E-17 0.999981	86 .-223961E-17 0.999981																		
5 .109112	0.262709	87 .-223961E-18 0.999981	88 .-223961E-18 0.999981	89 .-223961E-18 0.999981	90 .-223961E-18 0.999981	91 .-223961E-18 0.999981																		
6 .136480	0.377219	92 .-223961E-19 0.999981	93 .-223961E-19 0.999981	94 .-223961E-19 0.999981	95 .-223961E-19 0.999981	96 .-223961E-19 0.999981																		
7 .166339	0.523559	97 .-223961E-20 0.999981	98 .-223961E-20 0.999981	99 .-223961E-20 0.999981	100 .-223961E-20 0.999981	101 .-223961E-20 0.999981																		
8 .135311	0.707852	102 .-223961E-21 0.999981	103 .-223961E-21 0.999981	104 .-223961E-21 0.999981	105 .-223961E-21 0.999981	106 .-223961E-21 0.999981																		
9 .127675	0.882533	107 .-223961E-22 0.999981	108 .-223961E-22 0.999981	109 .-223961E-22 0.999981	110 .-223961E-22 0.999981	111 .-223961E-22 0.999981																		
10 .105519	0.707852	112 .-223961E-23 0.999981	113 .-223961E-23 0.999981	114 .-223961E-23 0.999981	115 .-223961E-23 0.999981	116 .-223961E-23 0.999981																		
11 .597250E-01	0.871599	117 .-223961E-24 0.999981	118 .-223961E-24 0.999981	119 .-223961E-24 0.999981	120 .-223961E-24 0.999981	121 .-223961E-24 0.999981																		
RHO=.60																								
0 .120494E-03	0.000120	12 .-515639E-01 0.922895	13 .-515639E-01 0.922895	14 .-515639E-01 0.922895	15 .-515639E-01 0.922895	16 .-515639E-01 0.922895																		
1 .106987E-02	0.001206	17 .-515639E-01 0.951189	18 .-515639E-01 0.951189	19 .-515639E-01 0.951189	20 .-515639E-01 0.951189	21 .-515639E-01 0.951189																		
2 .895548E-02	0.011600	22 .-515639E-01 0.976776	23 .-515639E-01 0.976776	24 .-515639E-01 0.976776	25 .-515639E-01 0.976776	26 .-515639E-01 0.976776																		
3 .197060E-02	0.020805	27 .-515639E-01 0.998787	28 .-515639E-01 0.998787	29 .-515639E-01 0.998787	30 .-515639E-01 0.998787	31 .-515639E-01 0.998787																		
4 .331472E-01	0.053952	32 .-515639E-01 0.999991	33 .-515639E-01 0.999991	34 .-515639E-01 0.999991	35 .-515639E-01 0.999991	36 .-515639E-01 0.999991																		
5 .597059E-01	0.113742	37 .-515639E-01 0.999991	38 .-515639E-01 0.999991	39 .-515639E-01 0.999991	40 .-515639E-01 0.999991	41 .-515639E-01 0.999991																		
6 .-0.990128E-01	0.203046	42 .-515639E-01 0.999991	43 .-515639E-01 0.999991	44 .-515639E-01 0.999991	45 .-515639E-01 0.999991	46 .-515639E-01 0.999991																		
7 .-113504E-01	0.319599	47 .-515639E-01 0.999991	48 .-515639E-01 0.999991	49 .-515639E-01 0.999991	50 .-515639E-01 0.999991	51 .-515639E-01 0.999991																		
8 .-113504E-01	0.455152	52 .-515639E-01 0.999991	53 .-515639E-01 0.999991	54 .-515639E-01 0.999991	55 .-515639E-01 0.9																			

M/D/15 CDF OF WAITING TIME IN THE QUEUE

Tables for D/M/c Queueing Systems

The Model: Individual customers arrive at constant intervals;
service times have an exponential distribution;
c servers operate in parallel.

Notation: See Section 1.2.

Tables Included: L_q , $P(N = I)$ and $P(N \leq I)$, $P(WT \leq T)$ for $c = 1, 2, \dots, 10, 15$.

EXPECTED LENGTH OF QUEUE FOR D/M/c

c:	1	2	3	4
RHO				
0.10	0.45423E-05	0.30812E-07	0.21410E-09	0.15247E-11
0.20	0.14052E-02	0.12486E-03	0.11945E-04	0.11909E-05
0.30	0.12787E-01	0.28793E-02	0.70979E-03	0.18322E-03
0.40	0.48109E-01	0.17856E-01	0.72505E-02	0.30815E-02
0.50	0.12750E 00	0.64914E-01	0.35801E-01	0.20580E-01
0.55	0.19405E 00	0.11121E 00	0.68573E-01	0.43935E-01
0.60	0.28789E 00	0.18237E 00	0.12336E 00	0.86386E-01
0.65	0.42102E 00	0.29060E 00	0.21246E 00	0.16017E 00
0.70	0.61332E 00	0.45599E 00	0.35613E 00	0.28557E 00
0.75	0.90056E 00	0.71450E 00	0.59051E 00	0.49835E 00
0.80	0.13542E 01	0.11378E 01	0.98742E 00	0.87201E 00
0.85	0.21410E 01	0.18927E 01	0.17139E 01	0.15723E 01
0.90	0.37608E 01	0.34794E 01	0.32703E 01	0.31002E 01
0.95	0.87142E 01	0.83980E 01	0.81570E 01	0.79563E 01
0.98	0.23686E 02	0.23348E 02	0.23087E 02	0.22868E 02
0.99	0.48683E 02	0.48331E 02	0.48064E 02	0.47837E 02
c:	5	6	7	8
RHO				
0.10	0.11059E-13	0.81301E-16	0.60378E-18	0.45192E-20
0.20	0.12178E-06	0.12665E-07	0.13331E-08	0.14161E-09
0.30	0.48600E-04	0.13125E-04	0.35900E-05	0.99121E-06
0.40	0.13459E-02	0.59863E-03	0.26970E-03	0.12267E-03
0.50	0.12136E-01	0.72814E-02	0.44233E-02	0.27123E-02
0.55	0.28828E-01	0.19228E-01	0.12978E-01	0.88396E-02
0.60	0.61829E-01	0.44928E-01	0.33012E-01	0.24464E-01
0.65	0.12312E 00	0.95939E-01	0.75520E-01	0.59915E-01
0.70	0.23289E 00	0.19220E 00	0.16005E 00	0.13420E 00
0.75	0.42742E 00	0.36991E 00	0.32256E 00	0.28295E 00
0.80	0.77883E 00	0.70122E 00	0.63520E 00	0.57818E 00
0.85	0.14545E 01	0.13537E 01	0.12656E 01	0.11876E 01
0.90	0.29553E 01	0.28284E 01	0.27151E 01	0.26126E 01
0.95	0.77819E 01	0.76262E 01	0.74848E 01	0.73547E 01
0.98	0.22674E 02	0.22500E 02	0.22341E 02	0.22193E 02
0.99	0.47638E 02	0.47457E 02	0.47291E 02	0.47137E 02
c:	9	10	15	
RHO				
0.10	0.34036E-22	0.25764E-24	0.00000E 00	
0.20	0.15148E-10	0.16295E-11	0.24821E-16	
0.30	0.27568E-06	0.77121E-07	0.13925E-09	
0.40	0.56212E-04	0.25910E-04	0.57125E-06	
0.50	0.16753E-02	0.10409E-02	0.10211E-03	
0.55	0.60636E-02	0.41832E-02	0.69215E-03	
0.60	0.18253E-01	0.13693E-01	0.34396E-02	
0.65	0.47833E-01	0.38383E-01	0.13453E-01	
0.70	0.11316E 00	0.95858E-01	0.43848E-01	
0.75	0.24941E 00	0.22071E 00	0.12491E 00	
0.80	0.52934E 00	0.48438E 00	0.32478E 00	
0.85	0.11177E 01	0.10545E 01	0.80950E 00	
0.90	0.25190E 01	0.24327E 01	0.20806E 01	
0.95	0.72340E 01	0.71211E 01	0.66411E 01	
0.98	0.22054E 02	0.21924E 02	0.21358E 02	
0.99	0.46993E 02	0.46856E 02	0.46260E 02	

D/M/1 COF OF NUMBER IN SYSTEM

STATE I	P(I=1)	P(I<=1)	STATE I	P(I=1)	P(I<=1)	STATE I	P(I=1)	P(I<=1)	STATE I	P(I=1)	P(I<=1)	STATE I	P(I=1)	P(I<=1)	STATE I	P(I=1)	P(I<=1)
BIO-10																	
0 .990000	0 .999999	0 .999999	0 .9933100-22	1 .000000	1	0 .250000	0 .250000	1	-1299087-03	0 .999985	1	0 .200000-01	0 .020000	50	.818774E-02	0 .998781	
1 .979552-01	0 .999999	0 .999999	0 .979552-01	1 .000000	1	0 .387990	0 .590793	15	.7066612E-06	0 .999915	1	.369354E-01	0 .059335	58	.128159E-02	0 .998660	
2 .951909-01	0 .999999	0 .999999	0 .951909-01	1 .000000	1	0 .181450	0 .272773	16	.385235E-06	0 .999954	1	.359021E-01	0 .132227	62	.328152E-02	0 .998636	
3 .862297E-09	1 .000000	0 .999999	0 .861146E-31	1 .000000	1	0 .181450	0 .272773	17	.385235E-06	0 .999954	1	.348766E-01	0 .166704	64	.307780E-02	0 .998617	
4 .937023E-18	1 .000000	0 .999999	0 .8222793E-08	1 .000000	1	0 .533525E-01	0 .933536	16	.1146480E-06	0 .999992	1	.331069E-01	0 .199819	66	.279199E-02	0 .9982516	
5 .6256059-10	1 .000000	0 .999999	0 .373721E-04	1 .000000	1	0 .302099E-01	0 .961736	16	.625709E-09	0 .999992	1	.3179152E-01	0 .2311602	68	.257454E-02	0 .9982772	
6 .4256059-10	1 .000000	0 .999999	0 .373721E-04	1 .000000	1	0 .164777E-01	0 .980219	20	.341332E-05	0 .999996	1	.305285E-01	0 .262130	70	.237403E-02	0 .9982616	
BIO-20																	
0 .990000	0 .999999	0 .999999	0 .2393120E-13	1 .000000	1	0 .495031E-02	0 .999910	21	.161630E-05	0 .999999	1	.293155E-01	0 .291846	70	.193848E-02	0 .998316C	
1 .958645-01	0 .999999	0 .999999	0 .958645-01	1 .000000	1	0 .160620E-02	0 .998267	23	.559502E-06	0 .999999	1	.281059E-01	0 .319597	80	.158278E-02	0 .9981762	
2 .937023E-02	0 .999991	0 .999999	0 .111552E-17	1 .000000	1	0 .302098E-02	0 .999903	24	.302542E-06	0 .999999	1	.207328E-01	0 .346653	85	.128158E-02	0 .998088	
3 .968524E-05	1 .000000	0 .999999	0 .778252E-20	1 .000000	1	0 .302098E-02	0 .999903	25	.158069E-06	1 .000000	1	.205222E-01	0 .349449	86	.116101E-01	0 .979172	
4 .679578E-07	1 .000000	0 .999999	0 .563002E-22	1 .000000	1	0 .237100E-03	0 .999715	30	.386620E-07	1 .000000	1	.239376E-01	0 .621241	100	.205338E-01	0 .982999	
5 .6706652-03	1 .000000	0 .999999	0 .378862E-24	1 .000000	1	0 .237100E-03	0 .999715	30	.798135E-08	1 .000000	1	.224858E-01	0 .844437	105	.574452E-01	0 .986312	
6 .328389E-11	1 .000000	0 .999999	0 .264340E-26	1 .000000	1	BIO-30											
BIO-40																	
0 .780000	0 .780000	0 .780000	0 .569126E-10	0 .999999	1	0 .257095	0 .497956	15	.987124E-03	0 .999924	1	.195448E-01	0 .527603	125	.255342E-03	0 .998285	
1 .777335	0 .507723	0 .999999	0 .224109E-14	0 .999999	1	0 .176500	0 .488264	17	.174663E-02	0 .999970	1	.187603E-01	0 .546471	126	.172448E-02	0 .998295	
2 .117652E-01	0 .999994	0 .999999	0 .117387E-13	0 .999999	1	0 .710000E-01	0 .979763	15	.170466E-01	0 .581700	140	.139002E-03	0 .998636	155	.170236E-01	0 .998551	
3 .808942E-01	0 .999979	0 .999999	0 .375246E-14	0 .999999	1	0 .463957E-01	0 .921466	16	.168160E-06	0 .999881	1	.166160E-01	0 .598119	165	.133398E-03	0 .997252	
4 .1966533-03	0 .999999	0 .999999	0 .153040E-15	0 .999999	1	0 .291107E-01	0 .950610	20	.638492E-06	0 .999923	1	.159587E-01	0 .619427	150	.926735E-04	0 .997756	
5 .803751E-06	0 .999999	0 .999999	0 .627171E-17	0 .999999	1	0 .103300E-01	0 .969694	21	.275930E-04	0 .999922	1	.152324E-01	0 .629602	155	.756697E-04	0 .998166	
6 .328259E-08	0 .999999	0 .999999	0 .265630E-18	0 .999999	1	0 .115256E-01	0 .980950	22	.173365E-03	0 .999970	1	.167159E-01	0 .604319	160	.617459E-04	0 .998502	
7 .130336E-08	0 .999999	0 .999999	0 .104862E-19	0 .999999	1	0 .728512E-02	0 .987735	22	.109010E-06	0 .999980	1	.141312E-01	0 .658050	165	.504498E-04	0 .998776	
BIO-50																	
BIO-60																	
0 .580000	0 .600000	0 .600000	0 .476530E-09	1 .000000	1	0 .200000	0 .200000	19	.711260E-03	0 .998795	1	.187603E-01	0 .546471	125	.172448E-02	0 .998295	
1 .557056	0 .937056	1 .000000	0 .726137E-10	1 .000000	1	0 .181450	0 .488264	17	.174663E-02	0 .999970	1	.187603E-01	0 .546471	126	.172448E-02	0 .998295	
2 .303305E-03	0 .993300	0 .993300	0 .779326E-11	1 .000000	1	0 .160620E-02	0 .998267	20	.302542E-06	0 .999992	1	.170466E-01	0 .581700	140	.139002E-03	0 .998636	
3 .611548E-02	0 .995003	0 .995003	0 .837232E-12	1 .000000	1	0 .123772E-01	0 .968249	21	.301200E-03	0 .999920	1	.166160E-01	0 .598119	165	.133398E-03	0 .997252	
4 .678036E-07	0 .999947	0 .999947	0 .889852E-13	0 .999999	1	0 .150000	0 .150000	19	.821446E-03	0 .997929	1	.167159E-01	0 .627209	170	.811929E-04	0 .998999	
5 .670360E-08	0 .999999	0 .999999	0 .963650E-14	0 .999999	1	0 .241561	0 .391561	19	.580018E-03	0 .998517	1	.162376E-01	0 .627209	170	.811929E-04	0 .998999	
6 .592972E-08	0 .999999	0 .999999	0 .103036E-15	0 .999999	1	0 .172912	0 .568673	20	.820962E-03	0 .998928	1	.167159E-01	0 .627209	170	.811929E-04	0 .998999	
7 .568752E-08	0 .999999	0 .999999	0 .117220E-15	0 .999999	1	0 .123772E-01	0 .968249	21	.301200E-03	0 .999920	1	.162376E-01	0 .627209	170	.811929E-04	0 .998999	
8 .569520E-08	0 .999999	0 .999999	0 .126580E-15	0 .999999	1	0 .165720E-01	0 .677682	21	.301200E-03	0 .999920	1	.162376E-01	0 .627209	170	.811929E-04	0 .998999	
9 .530196E-08	0 .999999	0 .999999	0 .136320E-15	0 .999999	1	0 .123772E-01	0 .677682	21	.301200E-03	0 .999920	1	.162376E-01	0 .627209	170	.811929E-04	0 .998999	
BIO-80																	
BIO-90																	
0 .580000	0 .580000	0 .580000	0 .477912E-07	0 .999999	1	0 .119310E-02	0 .969984	11	.853111E-02	0 .978511	1	.308311E-01	0 .685050	175	.316326E-02	0 .999988	
1 .609520E-01	0 .979537	0 .999999	0 .157311E-08	0 .999999	1	0 .160620E-02	0 .998465	17	.306165E-02	0 .984617	1	.308311E-01	0 .781334	250	.168082E-02	0 .999995	
2 .579250E-02	0 .999999	0 .999999	0 .168470E-08	0 .999999	1	0 .123772E-01	0 .968621	20	.315655E-02	0 .999545	1	.308311E-01	0 .781334	250	.168082E-02	0 .999995	
3 .579250E-02	0 .999999	0 .999999	0 .168470E-08	0 .999999	1	0 .123772E-01	0 .968621	21	.307370E-02	0 .999545	1	.308311E-01	0 .781334	250	.168082E-02	0 .999995	
4 .579250E-02	0 .999999	0 .999999	0 .168470E-08	0 .999999	1	0 .123772E-01	0 .968621	22	.307370E-02	0 .999545	1	.308311E-01	0 .781334	250	.168082E-02	0 .999995	
5 .579250E-02	0 .999999	0 .999999	0 .168470E-08	0 .999999	1	0 .123772E-01	0 .968621	23	.307370E-02	0 .999545	1	.308311E-01	0 .781334	250	.168082E-02	0 .999995	
6 .579250E-02	0 .999999	0 .999999	0 .168470E-08	0 .999999	1	0 .123772E-01	0 .968621	24	.307370E-02	0 .999545	1	.308311E-01	0 .781334	250	.168082E-02	0 .999995	
7 .579250E-02	0 .999999	0 .999999	0 .168470E-08	0 .999999	1	0 .123772E-01	0 .968621	25	.307370E-02	0 .999545	1	.308311E-01	0 .781334	250	.168082E-02	0 .999995	
8 .579250E-02	0 .999999	0 .999999	0 .168470E-08	0 .999999	1	0 .123772E-01	0 .968621	26	.307370E-02	0 .999545	1	.308311E-01	0 .781334	250	.168082E-02	0 .999995	
9 .579250E-02	0 .999999	0 .999999	0 .168470E-08	0 .999999	1	0 .123772E-01	0 .968621	27	.307370E-02	0 .999545	1	.308311E-01	0 .781334	250	.168082E-02	0 .999995	
10 .579250E-02	0 .999999	0 .999999	0 .168470E-08	0 .999999	1	0 .123772E-01	0 .968621	28	.307370E-02	0 .999545	1	.308311E-01	0 .781334	250	.168082E-02	0 .999995	
11 .579250E-02	0 .999999	0 .999999	0 .168470E-08	0 .999999	1	0 .123772E-01	0 .968621	29	.307370E-02	0 .999545	1	.308311E-01	0 .781334	250	.168082E-02	0 .999995	
12 .579250E																	

D/M/1 COF OF WAITING TIME IN THE QUEUE

D/M/2 CDF OF NUMBER IN SYSTEM

STATE		STATE		STATE		STATE		STATE		STATE		STATE	
I	P(I<=T)	I	P(I>=T)	I	P(I<=T)	I	P(I>=T)	I	P(I<=T)	I	P(I>=T)	I	P(I<=T)
BHO-10													
0. -0.00678	0. 0.00678	6. -20864598-20	0. 0.99999	1. -0.9505822-01	0. 0.995058	16. -1001622-03	0. 0.999773	1. -0.605807-02	0. 0.006058	56. -8298759-02	0. 0.996102		
1. 1.98683	0. 0.999321	7. -13112378-20	0. 0.99999	1. -0.309083	0. 0.804961	15. -1024628-02	0. 0.999587	1. -2708308-01	0. 0.027235	59. -3676395-02	0. 0.991594		
2. 6783058-03	0. 0.99999	8. -5555082-20	0. 0.99999	1. -0.270391	0. 0.875323	16. -5601318-04	0. 0.999331	3. -3805793-02	0. 0.109193	61. -3370537-02	0. 0.915533		
3. -3306918-07	0. 0.99999	9. -27052028-33	0. 0.99999	1. -0.267059	0. 0.895559	17. -3056118-04	0. 0.999562	6. -3551958-01	0. 0.149574	63. -3108026-02	0. 0.928107		
4. -1399377-11	0. 0.99999	10. -1228278-37	0. 0.99999	1. -0.381664	0. 0.803111	18. -3056118-04	0. 0.999573	5. -3074118-02	0. 0.109193	65. -3045549-02	0. 0.930207		
5. -6336022-16	0. 0.99999	11. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	19. -2648167-04	0. 0.999583	6. -3243489-01	0. 0.112100	67. -2911200-02	0. 0.926126		
6. -1.199937	0. 0.99999	12. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	20. -2648167-04	0. 0.999583	7. -1307311-02	0. 0.091802	69. -2342545-01	0. 0.242545		
7. -1.199937	0. 0.99999	13. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	21. -2708218-05	0. 0.999193	8. -1310240-02	0. 0.091802	70. -2046924-02	0. 0.901001		
8. -1.199937	0. 0.99999	14. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	22. -2708218-05	0. 0.999193	9. -0.3095802-01	0. 0.272264	75. -1089778-02	0. 0.951907		
9. -1.199937	0. 0.99999	15. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	23. -0615908-04	0. 0.999597	10. -2751512-02	0. 0.329205	78. -1146578-02	0. 0.967329		
10. -1.199937	0. 0.99999	16. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	24. -0309808-06	0. 0.999398	11. -2666802-01	0. 0.355914	90. -1083162-02	0. 0.731819		
11. -1.199937	0. 0.99999	17. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	25. -2399918-06	0. 0.999398	12. -2558978-01	0. 0.381524	95. -8841488-03	0. 0.978623		
12. -1.199937	0. 0.99999	18. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	26. -1160358-07	0. 0.999398	13. -2557302-01	0. 0.429959	105. -54951678-03	0. 0.985767		
13. -1.199937	0. 0.99999	19. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	27. -1160358-07	0. 0.999398	14. -2557302-01	0. 0.429959	110. -54951678-03	0. 0.985767		
14. -1.199937	0. 0.99999	20. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	28. -1160358-07	0. 0.999398	15. -2557302-01	0. 0.429959	115. -54951678-03	0. 0.985767		
16. -1.199937	0. 0.99999	21. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	29. -1160358-07	0. 0.999398	17. -2557302-01	0. 0.429959	120. -54951678-03	0. 0.985767		
18. -1.199937	0. 0.99999	22. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	30. -1160358-07	0. 0.999398	19. -2557302-01	0. 0.429959	125. -54951678-03	0. 0.985767		
20. -1.199937	0. 0.99999	23. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	31. -1160358-07	0. 0.999398	22. -2557302-01	0. 0.429959	130. -54951678-03	0. 0.985767		
23. -1.199937	0. 0.99999	24. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	32. -1160358-07	0. 0.999398	25. -2557302-01	0. 0.429959	135. -54951678-03	0. 0.985767		
25. -1.199937	0. 0.99999	26. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	33. -1160358-07	0. 0.999398	27. -2557302-01	0. 0.429959	140. -54951678-03	0. 0.985767		
27. -1.199937	0. 0.99999	28. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	29. -1160358-07	0. 0.999398	30. -2557302-01	0. 0.429959	145. -54951678-03	0. 0.985767		
30. -1.199937	0. 0.99999	31. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	32. -1160358-07	0. 0.999398	33. -2557302-01	0. 0.429959	150. -54951678-03	0. 0.985767		
33. -1.199937	0. 0.99999	34. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	35. -1160358-07	0. 0.999398	36. -2557302-01	0. 0.429959	155. -54951678-03	0. 0.985767		
36. -1.199937	0. 0.99999	37. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	38. -1160358-07	0. 0.999398	39. -2557302-01	0. 0.429959	160. -54951678-03	0. 0.985767		
40. -1.199937	0. 0.99999	41. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	42. -1160358-07	0. 0.999398	43. -2557302-01	0. 0.429959	165. -54951678-03	0. 0.985767		
43. -1.199937	0. 0.99999	44. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	45. -1160358-07	0. 0.999398	46. -2557302-01	0. 0.429959	170. -54951678-03	0. 0.985767		
46. -1.199937	0. 0.99999	47. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	48. -1160358-07	0. 0.999398	49. -2557302-01	0. 0.429959	175. -54951678-03	0. 0.985767		
50. -1.199937	0. 0.99999	51. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	52. -1160358-07	0. 0.999398	53. -2557302-01	0. 0.429959	180. -54951678-03	0. 0.985767		
53. -1.199937	0. 0.99999	54. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	55. -1160358-07	0. 0.999398	56. -2557302-01	0. 0.429959	185. -54951678-03	0. 0.985767		
56. -1.199937	0. 0.99999	57. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	58. -1160358-07	0. 0.999398	59. -2557302-01	0. 0.429959	190. -54951678-03	0. 0.985767		
59. -1.199937	0. 0.99999	60. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	61. -1160358-07	0. 0.999398	62. -2557302-01	0. 0.429959	195. -54951678-03	0. 0.985767		
62. -1.199937	0. 0.99999	63. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	64. -1160358-07	0. 0.999398	65. -2557302-01	0. 0.429959	200. -54951678-03	0. 0.985767		
65. -1.199937	0. 0.99999	66. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	67. -1160358-07	0. 0.999398	68. -2557302-01	0. 0.429959	205. -54951678-03	0. 0.985767		
68. -1.199937	0. 0.99999	69. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	70. -1160358-07	0. 0.999398	71. -2557302-01	0. 0.429959	210. -54951678-03	0. 0.985767		
71. -1.199937	0. 0.99999	72. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	73. -1160358-07	0. 0.999398	74. -2557302-01	0. 0.429959	215. -54951678-03	0. 0.985767		
74. -1.199937	0. 0.99999	75. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	76. -1160358-07	0. 0.999398	77. -2557302-01	0. 0.429959	220. -54951678-03	0. 0.985767		
77. -1.199937	0. 0.99999	78. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	79. -1160358-07	0. 0.999398	80. -2557302-01	0. 0.429959	225. -54951678-03	0. 0.985767		
80. -1.199937	0. 0.99999	81. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	82. -1160358-07	0. 0.999398	83. -2557302-01	0. 0.429959	230. -54951678-03	0. 0.985767		
83. -1.199937	0. 0.99999	84. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	85. -1160358-07	0. 0.999398	86. -2557302-01	0. 0.429959	235. -54951678-03	0. 0.985767		
86. -1.199937	0. 0.99999	87. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	88. -1160358-07	0. 0.999398	89. -2557302-01	0. 0.429959	240. -54951678-03	0. 0.985767		
89. -1.199937	0. 0.99999	90. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	91. -1160358-07	0. 0.999398	92. -2557302-01	0. 0.429959	245. -54951678-03	0. 0.985767		
92. -1.199937	0. 0.99999	93. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	94. -1160358-07	0. 0.999398	95. -2557302-01	0. 0.429959	250. -54951678-03	0. 0.985767		
95. -1.199937	0. 0.99999	96. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	97. -1160358-07	0. 0.999398	98. -2557302-01	0. 0.429959	255. -54951678-03	0. 0.985767		
98. -1.199937	0. 0.99999	99. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	100. -1160358-07	0. 0.999398	101. -2557302-01	0. 0.429959	260. -54951678-03	0. 0.985767		
101. -1.199937	0. 0.99999	102. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	103. -1160358-07	0. 0.999398	104. -2557302-01	0. 0.429959	265. -54951678-03	0. 0.985767		
104. -1.199937	0. 0.99999	105. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	106. -1160358-07	0. 0.999398	107. -2557302-01	0. 0.429959	270. -54951678-03	0. 0.985767		
107. -1.199937	0. 0.99999	108. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	109. -1160358-07	0. 0.999398	110. -2557302-01	0. 0.429959	275. -54951678-03	0. 0.985767		
110. -1.199937	0. 0.99999	111. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	112. -1160358-07	0. 0.999398	113. -2557302-01	0. 0.429959	280. -54951678-03	0. 0.985767		
113. -1.199937	0. 0.99999	114. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	115. -1160358-07	0. 0.999398	116. -2557302-01	0. 0.429959	285. -54951678-03	0. 0.985767		
116. -1.199937	0. 0.99999	117. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	118. -1160358-07	0. 0.999398	119. -2557302-01	0. 0.429959	290. -54951678-03	0. 0.985767		
119. -1.199937	0. 0.99999	120. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	121. -1160358-07	0. 0.999398	122. -2557302-01	0. 0.429959	295. -54951678-03	0. 0.985767		
122. -1.199937	0. 0.99999	123. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	124. -1160358-07	0. 0.999398	125. -2557302-01	0. 0.429959	300. -54951678-03	0. 0.985767		
125. -1.199937	0. 0.99999	126. -9500828-42	0. 0.99999	1. -0.236126	0. 0.932767	127. -1160358-07	0. 0.999398	128. -2557302-01	0. 0.429959	305. -54951678-03	0. 0.985767		
128. -1.199937	0. 0.99999	129. -9500828-42</td											

D/M/2 CDF OF WAITING TIME IN THE QUEUE

TIME T	P(WT>T)	TIME T	P(WT>T)	TIME T	P(WT>T)	TIME T	P(WT>T)	TIME T	P(WT>T)	TIME T	P(WT>T)	TIME T	P(WT>T)
E00-.10													
0.0 1.000000		0.0 0.720671	2.2 0.995215	0.0 0.347190	3.5 0.603637	0.0 0.053085	22.0 0.612030	0.1 0.657235	26.0 0.653237	0.2 0.661050	26.0 0.670111	0.3 0.660064	26.0 0.670111
0.0 0.999999		0.1 0.752060	2.1 0.998216	0.1 0.167094	6.5 0.633667	0.1 0.057235	26.0 0.653237	0.2 0.661050	26.0 0.670111	0.3 0.660064	26.0 0.670111	0.4 0.660332	26.0 0.670111
0.0 0.999999		0.2 0.770891	2.0 0.997140	0.2 0.080122	6.5 0.639642	0.2 0.057235	26.0 0.653237	0.3 0.660064	26.0 0.670111	0.4 0.660332	26.0 0.670111	0.5 0.660332	26.0 0.670111
0.0 0.999999		0.3 0.799958	2.5 0.997713	0.3 0.427500	5.5 0.689161	0.3 0.057235	26.0 0.653237	0.4 0.660064	26.0 0.670111	0.5 0.660332	26.0 0.670111	0.6 0.660332	26.0 0.670111
0.0 0.999999		0.4 0.811236	2.6 0.998043	0.4 0.200006	6.0 0.698477	0.4 0.057235	26.0 0.653237	0.5 0.660064	26.0 0.670111	0.6 0.660332	26.0 0.670111	0.7 0.660332	26.0 0.670111
0.0 0.999999		0.5 0.820095	2.7 0.998195	0.5 0.200000	5.5 0.698477	0.5 0.057235	26.0 0.653237	0.6 0.660064	26.0 0.670111	0.7 0.660332	26.0 0.670111	0.8 0.660332	26.0 0.670111
0.0 0.999999		0.6 0.830082	2.9 0.998105	0.6 0.199211	5.0 0.698477	0.6 0.057235	26.0 0.653237	0.7 0.660064	26.0 0.670111	0.8 0.660332	26.0 0.670111	0.9 0.660332	26.0 0.670111
0.0 0.999999		0.7 0.871881	3.0 0.999510	0.7 0.515705	10.0 0.977652	0.7 0.057235	26.0 0.653237	0.8 0.660332	26.0 0.670111	0.9 0.660332	26.0 0.670111	1.0 0.660332	26.0 0.670111
0.0 0.999999		0.8 0.882903	3.5 0.998656	0.8 0.531629	11.0 0.980603	0.8 0.057235	26.0 0.653237	0.9 0.660332	26.0 0.670111	1.0 0.660332	26.0 0.670111	1.1 0.660332	26.0 0.670111
0.0 0.999999		0.9 0.892382	6.0 0.999251	0.9 0.547630	12.0 0.980509	0.9 0.057235	26.0 0.653237	1.0 0.660332	26.0 0.670111	1.1 0.660332	26.0 0.670111	1.2 0.660332	26.0 0.670111
0.0 0.999999		1.0 0.902850	6.5 0.999593	1.0 0.561025	11.0 0.991000	1.0 0.057235	26.0 0.653237	1.1 0.660332	26.0 0.670111	1.2 0.660332	26.0 0.670111	1.3 0.660332	26.0 0.670111
0.0 0.999999		1.1 0.911510	5.0 0.999523	1.1 0.580000	10.0 0.998333	1.1 0.057235	26.0 0.653237	1.2 0.660332	26.0 0.670111	1.3 0.660332	26.0 0.670111	1.4 0.660332	26.0 0.670111
0.0 0.999999		1.2 0.919180	4.0 0.999099	1.2 0.593733	15.0 0.996996	1.2 0.057235	26.0 0.653237	1.3 0.660332	26.0 0.670111	1.4 0.660332	26.0 0.670111	1.5 0.660332	26.0 0.670111
0.0 0.999999		1.3 0.926581	7.0 0.999506	1.3 0.616761	17.0 0.997640	1.3 0.057235	26.0 0.653237	1.4 0.660332	26.0 0.670111	1.5 0.660332	26.0 0.670111	1.6 0.660332	26.0 0.670111
0.0 0.999999		1.4 0.931120	8.0 0.999545	1.4 0.629365	16.0 0.998660	1.4 0.057235	26.0 0.653237	1.5 0.660332	26.0 0.670111	1.6 0.660332	26.0 0.670111	1.7 0.660332	26.0 0.670111
0.0 0.999999		1.5 0.939999	9.0 0.999939	1.5 0.645152	19.0 0.999697	1.5 0.057235	26.0 0.653237	1.6 0.660332	26.0 0.670111	1.7 0.660332	26.0 0.670111	1.8 0.660332	26.0 0.670111
0.0 0.999999		1.6 0.949945	10.0 0.999945	1.6 0.655130	20.0 0.999211	1.6 0.057235	26.0 0.653237	1.7 0.660332	26.0 0.670111	1.8 0.660332	26.0 0.670111	1.9 0.660332	26.0 0.670111
0.0 0.999999		1.7 0.959711	1.0 0.999960	1.7 0.665100	21.0 0.999333	1.7 0.057235	26.0 0.653237	1.8 0.660332	26.0 0.670111	1.9 0.660332	26.0 0.670111	2.0 0.660332	26.0 0.670111
0.0 0.999999		1.8 0.969472	1.9 0.999970	1.8 0.674965	22.0 0.999596	1.8 0.057235	26.0 0.653237	1.9 0.660332	26.0 0.670111	2.0 0.660332	26.0 0.670111	2.1 0.660332	26.0 0.670111
0.0 0.999999		1.9 0.979738	2.0 0.999985	1.9 0.685169	23.0 0.999999	1.9 0.057235	26.0 0.653237	2.0 0.660332	26.0 0.670111	2.1 0.660332	26.0 0.670111	2.2 0.660332	26.0 0.670111
0.0 0.999999		2.0 0.989648	2.1 0.999992	2.0 0.696180	24.0 0.999999	2.0 0.057235	26.0 0.653237	2.1 0.660332	26.0 0.670111	2.2 0.660332	26.0 0.670111	2.3 0.660332	26.0 0.670111
0.0 0.999999		2.1 0.999819	2.2 0.999994	2.1 0.706180	25.0 0.999999	2.1 0.057235	26.0 0.653237	2.2 0.660332	26.0 0.670111	2.3 0.660332	26.0 0.670111	2.4 0.660332	26.0 0.670111
0.0 0.999999		2.2 0.999927	2.3 0.999994	2.2 0.716180	26.0 0.999999	2.2 0.057235	26.0 0.653237	2.3 0.660332	26.0 0.670111	2.4 0.660332	26.0 0.670111	2.5 0.660332	26.0 0.670111
0.0 0.999999		2.3 0.999932	2.4 0.999994	2.3 0.726180	27.0 0.999999	2.3 0.057235	26.0 0.653237	2.4 0.660332	26.0 0.670111	2.5 0.660332	26.0 0.670111	2.6 0.660332	26.0 0.670111
0.0 0.999999		2.4 0.999938	2.5 0.999994	2.4 0.736180	28.0 0.999999	2.4 0.057235	26.0 0.653237	2.5 0.660332	26.0 0.670111	2.6 0.660332	26.0 0.670111	2.7 0.660332	26.0 0.670111
0.0 0.999999		2.5 0.999943	2.6 0.999994	2.5 0.746180	29.0 0.999999	2.5 0.057235	26.0 0.653237	2.6 0.660332	26.0 0.670111	2.7 0.660332	26.0 0.670111	2.8 0.660332	26.0 0.670111
0.0 0.999999		2.6 0.999948	2.7 0.999994	2.6 0.756180	30.0 0.999999	2.6 0.057235	26.0 0.653237	2.7 0.660332	26.0 0.670111	2.8 0.660332	26.0 0.670111	2.9 0.660332	26.0 0.670111
0.0 0.999999		2.7 0.999953	2.8 0.999994	2.7 0.766180	31.0 0.999999	2.7 0.057235	26.0 0.653237	2.8 0.660332	26.0 0.670111	2.9 0.660332	26.0 0.670111	3.0 0.660332	26.0 0.670111
0.0 0.999999		2.8 0.999958	2.9 0.999994	2.8 0.776180	32.0 0.999999	2.8 0.057235	26.0 0.653237	2.9 0.660332	26.0 0.670111	3.0 0.660332	26.0 0.670111	3.1 0.660332	26.0 0.670111
0.0 0.999999		2.9 0.999963	3.0 0.999994	2.9 0.786180	33.0 0.999999	2.9 0.057235	26.0 0.653237	3.0 0.660332	26.0 0.670111	3.1 0.660332	26.0 0.670111	3.2 0.660332	26.0 0.670111
0.0 0.999999		3.0 0.999968	3.1 0.999994	3.0 0.796180	34.0 0.999999	3.0 0.057235	26.0 0.653237	3.1 0.660332	26.0 0.670111	3.2 0.660332	26.0 0.670111	3.3 0.660332	26.0 0.670111
0.0 0.999999		3.1 0.999973	3.2 0.999994	3.1 0.806180	35.0 0.999999	3.1 0.057235	26.0 0.653237	3.2 0.660332	26.0 0.670111	3.3 0.660332	26.0 0.670111	3.4 0.660332	26.0 0.670111
0.0 0.999999		3.2 0.999978	3.3 0.999994	3.2 0.816180	36.0 0.999999	3.2 0.057235	26.0 0.653237	3.3 0.660332	26.0 0.670111	3.4 0.660332	26.0 0.670111	3.5 0.660332	26.0 0.670111
0.0 0.999999		3.3 0.999983	3.4 0.999994	3.3 0.826180	37.0 0.999999	3.3 0.057235	26.0 0.653237	3.4 0.660332	26.0 0.670111	3.5 0.660332	26.0 0.670111	3.6 0.660332	26.0 0.670111
0.0 0.999999		3.4 0.999988	3.5 0.999994	3.4 0.836180	38.0 0.999999	3.4 0.057235	26.0 0.653237	3.5 0.660332	26.0 0.670111	3.6 0.660332	26.0 0.670111	3.7 0.660332	26.0 0.670111
0.0 0.999999		3.5 0.999993	3.6 0.999994	3.5 0.846180	39.0 0.999999	3.5 0.057235	26.0 0.653237	3.6 0.660332	26.0 0.670111	3.7 0.660332	26.0 0.670111	3.8 0.660332	26.0 0.670111
0.0 0.999999		3.6 0.999998	3.7 0.999994	3.6 0.856180	40.0 0.999999	3.6 0.057235	26.0 0.653237	3.7 0.660332	26.0 0.670111	3.8 0.660332	26.0 0.670111	3.9 0.660332	26.0 0.670111
0.0 0.999999		3.7 0.999998	3.8 0.999994	3.7 0.866180	41.0 0.999999	3.7 0.057235	26.0 0.653237	3.8 0.660332	26.0 0.670111	3.9 0.660332	26.0 0.670111	4.0 0.660332	26.0 0.670111
0.0 0.999999		3.8 0.999998	3.9 0.999994	3.8 0.876180	42.0 0.999999	3.8 0.057235	26.0 0.653237	3.9 0.660332	26.0 0.670111	4.0 0.660332	26.0 0.670111	4.1 0.660332	26.0 0.670111
0.0 0.999999		3.9 0.999998	4.0 0.999994	3.9 0.886180	43.0 0.999999	3.9 0.057235	26.0 0.653237	4.0 0.660332	26.0 0.670111	4.1 0.660332	26.0 0.670111	4.2 0.660332	26.0 0.670111
0.0 0.999999		4.0 0.999998	4.1 0.999994	4.0 0.896180	44.0 0.999999	4.0 0.057235	26.0 0.653237	4.1 0.660332	26.0 0.670111	4.2 0.660332	26.0 0.670111	4.3 0.660332	26.0 0.670111
0.0 0.999999		4.1 0.999998	4.2 0.999994	4.1 0.906180	45.0 0.999999	4.1 0.057235	26.0 0.653237	4.2 0.660332	26.0 0.670111	4.3 0.660332	26.0 0.670111	4.4 0.660332	26.0 0.670111
0.0 0.999999		4.2 0.999998	4.3 0.999994	4.2 0.916180	46.0 0.999999	4.2 0.057235	26.0 0.653237	4.3 0.660332	26.0 0.670111	4.4 0.660332	26.0 0.670111	4.5 0.660332	26.0 0.670111
0.0 0.999999		4.3 0.999998	4.4 0.999994	4.3 0.926180	47.0 0.999999	4.3 0.057235	26.0 0.653237	4.4 0.660332	26.0 0.670111	4.5 0.660332	26.0 0.670111	4.6 0.660332	26.0 0.670111
0.0 0.999999		4.4 0.999998	4.5 0.999994	4.4 0.936180	48.0 0.999999	4.4 0.057235	26.0 0.653237	4.5 0.660332	26.0 0.670111	4.6 0.660332	26.0 0.670111	4.7 0.660332	26.0 0.670111
0.0 0.999999		4.5 0.999998	4.										

D/M/3

COF OF NUMBER IN SYSTEM

STATE I P(I-T) P(E-C-T)			STATE I P(E-T) P(E-C-T)			STATE I P(E-T) P(E-C-T)			STATE I P(E-T) P(E-C-T)			STATE I P(E-T) P(E-C-T)						
BB0= .10																		
0 .705509	0 .705509	6 .0016598-10	1 .000000	0 .323033P-01	0 .023291	18 .2050228-03	0 .999956	I	0 .157375-02	0 .001576	56 .882640Z-02	0 .993012						
1 .200816	0 .998660	7 .2006048-22	1 .000000	1 .-100000	0 .209490	15 .-155510P-03	0 .999812	I	1 .121178-01	0 .013691	58 .608764Z-02	0 .901346						
2 .551893-02	0 .999995	8 .-0111568-27	1 .000000	4 .-2007356	0 .508206	16 .-888668E-08	0 .999956	I	2 .310440-02	0 .048735	60 .376394E-02	0 .909028						
3 .-0713318-05	1 .000000	9 .-013859E-31	1 .000000	3 .-2020668	0 .711674	17 .-662920B-04	0 .999963	I	3 .179567-01	0 .082689	62 .330707P-02	0 .916113						
4 .2140828-09	1 .000000	10 .-1879375-25	1 .000000	8 .-121925	0 .853599	18 .-252530E-03	0 .999968	I	4 .-366463P-01	0 .119135	63 .320948E-02	0 .922666						
5 .-972374E-14	1 .000000	11 .-0517786-40	1 .000000	5 .-1665227-01	0 .920123	19 .-137800E-08	0 .999962	I	5 .-3699810-01	0 .154033	64 .-202120-02	0 .934326						
BB0= .20																		
0 .-668161	0 .-668161	7 .-800060E-11	1 .000000	8 .-108046P-01	0 .987025	20 .-202630E-05	0 .999956	I	7 .-192029P-01	0 .251003	70 .-204885Z-02	0 .950477						
1 .-668161	0 .-668159	8 .-271128E-13	1 .000000	9 .-108046P-01	0 .987025	21 .-202630E-05	0 .999956	I	8 .-109091P-01	0 .251003	75 .-204885Z-02	0 .950477						
2 .-676709E-01	0 .998000	9 .-1997528-15	1 .000000	10 .-160613E-01	0 .999956	22 .-1378119-05	0 .999997	I	9 .-297508P-01	0 .280762	85 .-167150Z-02	0 .959563						
3 .-160613E-02	0 .999900	10 .-135388E-17	1 .000000	11 .-177846E-03	0 .997891	23 .-166220T-06	0 .999997	I	10 .-245764P-01	0 .309138	85 .-136642Z-02	0 .964582						
4 .-117785E-04	1 .000000	11 .-988681E-20	1 .000000	12 .-522398E-03	0 .999371	24 .-175765E-07	0 .999998	I	11 .-276113C-01	0 .334779	95 .-111578E-02	0 .977040						
5 .-202804E-07	1 .000000	12 .-661478E-22	1 .000000	13 .-573386E-05	0 .000000	25 .-166220T-06	0 .999998	I	12 .-261507P-01	0 .361130	95 .-910721E-02	0 .977996						
6 .-573386E-05	1 .000000	13 .-661478E-20	1 .000000	BB0= .30														
0 .-303361	0 .-303361	0 .-182396E-08	1 .000000	0 .-320713E-01	0 .0232071	16 .-131217E-02	0 .997770	I	13 .-250308P-01	0 .388634	100 .-736165E-03	0 .982024						
1 .-509531	0 .-812329	2 .-7565677E-10	1 .000000	2 .-258651	0 .416666	15 .-518621P-03	0 .999122	I	14 .-240000P-01	0 .412027	100 .-647132E-03	0 .981324						
2 .-170056	0 .-983398	3 .-10 .304688E-11	1 .000000	3 .-1367182	0 .767948	16 .-208605P-03	0 .999463	I	15 .-109507E-01	0 .420055	105 .-653745E-04	0 .980415						
3 .-159713B-01	0 .999319	11 .-1262428-12	1 .000000	4 .-158600P-02	0 .455089	17 .-326262E-03	0 .999468	I	16 .-233005P-01	0 .421207	105 .-653745E-04	0 .980415						
4 .-652949E-03	0 .999972	12 .-505315E-10	1 .000000	5 .-150150E-02	0 .906953	18 .-208912E-03	0 .999883	I	17 .-121745E-01	0 .408871	105 .-798718E-04	0 .994002						
5 .-246938E-02	0 .999995	13 .-206301E-15	1 .000000	6 .-138021E-01	0 .927375	19 .-250913E-02	0 .999871	I	18 .-165563E-01	0 .420927	105 .-652955E-04	0 .984817						
6 .-169130E-05	1 .000000	14 .-186348E-17	1 .000000	7 .-212666E-02	0 .964001	20 .-232000E-03	0 .999866	I	19 .-146379P-01	0 .638983	105 .-511779E-06	0 .998704						
7 .-0461513-07	1 .000000	15 .-308144E-18	1 .000000	8 .-133688E-02	0 .987770	21 .-126479E-02	0 .999978	I	20 .-143885P-01	0 .653309	105 .-415180E-06	0 .998983						
8 .-573386E-05	1 .000000	16 .-308144E-18	1 .000000	9 .-184053E-02	0 .987057	22 .-126479E-02	0 .999981	I	21 .-120517E-01	0 .506067	125 .-269577E-03	0 .993487						
9 .-573386E-05	1 .000000	17 .-308144E-18	1 .000000	10 .-245764P-02	0 .987105	23 .-126479E-02	0 .999981	I	22 .-106009P-01	0 .520987	125 .-220130E-03	0 .993487						
10 .-245764P-02	0 .999995	18 .-308144E-18	1 .000000	11 .-245764P-02	0 .987105	24 .-126479E-02	0 .999981	I	23 .-105017E-01	0 .535939	125 .-179429E-03	0 .993487						
11 .-245764P-02	0 .999995	19 .-308144E-18	1 .000000	12 .-245764P-02	0 .987105	25 .-126479E-02	0 .999981	I	24 .-102947E-01	0 .557783	125 .-169769P-02	0 .997794						
12 .-245764P-02	0 .999995	20 .-308144E-18	1 .000000	13 .-245764P-02	0 .987105	26 .-126479E-02	0 .999981	I	25 .-175679P-01	0 .575402	125 .-159952E-02	0 .997794						
13 .-245764P-02	0 .999995	21 .-308144E-18	1 .000000	14 .-245764P-02	0 .987105	27 .-126479E-02	0 .999981	I	26 .-161956P-01	0 .595272	125 .-149772E-02	0 .997794						
14 .-245764P-02	0 .999995	22 .-308144E-18	1 .000000	15 .-245764P-02	0 .987105	28 .-126479E-02	0 .999981	I	27 .-130310E-01	0 .759299	125 .-139518E-02	0 .997794						
15 .-245764P-02	0 .999995	23 .-308144E-18	1 .000000	16 .-245764P-02	0 .987105	29 .-126479E-02	0 .999981	I	28 .-981388E-02	0 .778064	125 .-129288E-02	0 .997794						
16 .-245764P-02	0 .999995	24 .-308144E-18	1 .000000	17 .-245764P-02	0 .987105	30 .-126479E-02	0 .999981	I	29 .-881851P-02	0 .786865	125 .-119078E-02	0 .997794						
17 .-245764P-02	0 .999995	25 .-308144E-18	1 .000000	18 .-245764P-02	0 .987105	31 .-126479E-02	0 .999981	I	30 .-727045E-02	0 .796865	125 .-108868E-02	0 .997794						
18 .-245764P-02	0 .999995	26 .-308144E-18	1 .000000	19 .-245764P-02	0 .987105	32 .-126479E-02	0 .999981	I	31 .-672145E-02	0 .806255	125 .-987718E-02	0 .997794						
19 .-245764P-02	0 .999995	27 .-308144E-18	1 .000000	20 .-245764P-02	0 .987105	33 .-126479E-02	0 .999981	I	32 .-620822E-02	0 .815969	125 .-887618E-02	0 .997794						
20 .-245764P-02	0 .999995	28 .-308144E-18	1 .000000	21 .-245764P-02	0 .987105	34 .-126479E-02	0 .999981	I	33 .-581302E-02	0 .825963	125 .-787518E-02	0 .997794						
21 .-245764P-02	0 .999995	29 .-308144E-18	1 .000000	22 .-245764P-02	0 .987105	35 .-126479E-02	0 .999981	I	34 .-535613E-02	0 .836863	125 .-687418E-02	0 .997794						
22 .-245764P-02	0 .999995	30 .-308144E-18	1 .000000	23 .-245764P-02	0 .987105	36 .-126479E-02	0 .999981	I	35 .-495505E-02	0 .847930	125 .-587322E-02	0 .997794						
23 .-245764P-02	0 .999995	31 .-308144E-18	1 .000000	24 .-245764P-02	0 .987105	37 .-126479E-02	0 .999981	I	36 .-456394E-02	0 .859526	125 .-487222E-02	0 .997794						
24 .-245764P-02	0 .999995	32 .-308144E-18	1 .000000	25 .-245764P-02	0 .987105	38 .-126479E-02	0 .999981	I	37 .-415388E-02	0 .870864	125 .-387122E-02	0 .997794						
25 .-245764P-02	0 .999995	33 .-308144E-18	1 .000000	26 .-245764P-02	0 .987105	39 .-126479E-02	0 .999981	I	38 .-377122E-02	0 .882385	125 .-287022E-02	0 .997794						
26 .-245764P-02	0 .999995	34 .-308144E-18	1 .000000	27 .-245764P-02	0 .987105	40 .-126479E-02	0 .999981	I	39 .-367022E-02	0 .893382	125 .-186913E-02	0 .997794						
27 .-245764P-02	0 .999995	35 .-308144E-18	1 .000000	28 .-245764P-02	0 .987105	41 .-126479E-02	0 .999981	I	40 .-357022E-02	0 .904382	125 .-106943E-02	0 .997794						
28 .-245764P-02	0 .999995	36 .-308144E-18	1 .000000	29 .-245764P-02	0 .987105	42 .-126479E-02	0 .999981	I	41 .-347022E-02	0 .915381	125 .-206843E-02	0 .997794						
29 .-245764P-02	0 .999995	37 .-308144E-18	1 .000000	30 .-245764P-02	0 .987105	43 .-126479E-02	0 .999981	I	42 .-337022E-02	0 .926381	125 .-106732E-02	0 .997794						
30 .-245764P-02	0 .999995	38 .-308144E-18	1 .000000	31 .-245764P-02	0 .987105	44 .-126479E-02	0 .999981	I	43 .-327022E-02	0 .937981	125 .-966221E-02	0 .997794						
31 .-245764P-02	0 .999995	39 .-308144E-18	1 .000000	32 .-245764P-02	0 .987105	45 .-126479E-02	0 .999981	I	44 .-317022E-02	0 .949081	125 .-865110E-02	0 .997794						
32 .-245764P-02	0 .999995	40 .-308144E-18	1 .000000	33 .-245764P-02	0 .987105	46 .-126479E-02	0 .999981	I	45 .-307022E-02	0 .960181	125 .-764019E-02	0 .997794						
33 .-245764P-02	0 .999995	41 .-308144E-18	1 .000000	34 .-245764P-02	0 .987105	47 .-126479E-02	0 .999981	I	46 .-297022E-02	0 .971281	125 .-662918E-02	0 .997794						
34 .-245764P-02	0 .999995	42 .-308144E-18	1 .000000	35 .-245764P-02	0 .987105	48 .-126479E-02	0 .999981	I	47 .-287022E-02	0 .982380	125 .-561817E-02	0 .997794						
35 .-245764P-02	0 .999995	43 .-308144E-18	1 .000000	36 .-245764P-02	0 .987105	49 .-126479E-02	0 .999981	I	48 .-277022E-02	0 .993479	125 .-460716E-02	0 .997794						
36 .-245764P-02	0 .999995	44 .-308144E-18	1 .000000	37 .-245764P-02	0 .987105	50 .-126479E-02	0 .999981	I	49 .-267022E-02	0 .994578	125 .-360615E-02	0 .99						

D/M/3 CDF OF WAITING TIME IN THE QUEUE

TIME	T	P(WT<=T)	TIME	T	P(WT<=T)	TIME	T	P(WT<=T)													
RRW= .10																					
0.0	1.000000		0.0	0.001620	2.2	0.976560	0.0	0.020955	3.0	0.709929	0.0	0.061982	22.0	0.816365							
	RRW= .20		0.1	0.879371	2.3	0.976635	0.1	0.045001	3.5	0.822180	0.1	0.057769	26.0	0.666246							
0.0	0.999981	0.5	0.999995	0.2	0.979510	2.4	0.976900	0.2	0.048022	4.0	0.809554	0.2	0.071581	26.0	0.673797						
0.1	0.999982	0.6	0.999997	0.3	0.979525	2.5	0.976945	0.3	0.050037	4.5	0.809570	0.3	0.073509	28.0	0.699203						
0.2	0.999987	0.7	0.999998	0.4	0.980071	2.6	0.976976	0.4	0.054693	5.0	0.809312	0.4	0.080319	32.0	0.722843						
0.3	0.999987	0.8	0.999999	0.5	0.980111	2.7	0.976977	0.5	0.051115	5.0	0.809023	0.5	0.082766	32.0	0.734334						
0.4	0.999992	0.9	0.999999	0.6	0.980110	3.0	0.976750	0.6	0.056187	6.0	0.966590	0.6	0.086173	36.0	0.782523						
RRW= .30																					
0.0	0.997731	1.0	0.999970	0.1	0.971070	6.0	0.999246	0.1	0.020967	12.0	0.996877	0.1	0.081508	40.0	0.815081						
0.1	0.998352	1.5	0.999981	0.2	0.971070	7.0	0.999132	0.2	0.020967	12.0	0.997763	0.2	0.071027	42.0	0.822982						
0.2	0.998603	1.6	0.999986	0.3	0.971070	8.0	0.999132	0.3	0.020967	12.0	0.998031	0.3	0.073809	44.0	0.830349						
0.3	0.999130	1.7	0.999990	0.4	0.971070	9.0	0.999087	0.4	0.020967	12.0	0.998270	0.4	0.074631	46.0	0.855010						
0.4	0.999368	1.8	0.999993	0.5	0.971067	10.0	0.999056	0.5	0.020967	12.0	0.998551	0.5	0.075437	48.0	0.866313						
0.5	0.999551	1.9	0.999995	0.6	0.971067	11.0	0.999033	0.6	0.020967	12.0	0.998690	0.6	0.076171	50.0	0.876710						
0.6	0.999750	2.0	0.999997	0.7	0.971067	12.0	0.999010	0.7	0.020967	12.0	0.998770	0.7	0.076970	52.0	0.889377						
0.7	0.999829	2.1	0.999998	0.8	0.971067	13.0	0.999000	0.8	0.020967	12.0	0.998850	0.8	0.077631	54.0	0.893762						
0.8	0.999872	2.2	0.999999	0.9	0.972079	2.1	0.999999	0.9	0.020967	12.0	0.998900	0.9	0.078300	56.0	0.899999						
RRW= .40																					
0.0	0.993820	1.7	0.999936	0.1	0.860020	2.0	0.967680	0.1	0.020967	2.5	0.751586	0.1	0.092987	12.0	0.999987						
0.1	0.987056	1.8	0.999769	0.2	0.876889	2.9	0.970190	0.2	0.020967	2.5	0.759596	0.2	0.097267	12.0	0.999973						
0.2	0.988645	1.9	0.999767	0.3	0.876889	3.0	0.972380	0.3	0.020967	2.5	0.767650	0.3	0.098105	12.0	0.999981						
0.3	0.989166	2.0	0.999767	0.4	0.876889	3.1	0.972387	0.4	0.020967	2.5	0.775975	0.4	0.098757	12.0	0.999977						
0.4	0.993373	2.1	0.999951	0.5	0.873385	3.5	0.981003	0.5	0.020967	2.5	0.783735	0.5	0.099977	12.0	0.999981						
0.5	0.996699	2.2	0.999981	0.6	0.873385	3.5	0.981106	0.6	0.020967	2.5	0.791321	0.6	0.099977	12.0	0.999981						
0.6	0.997359	2.3	0.999985	0.7	0.873385	3.5	0.981106	0.7	0.020967	2.5	0.799373	0.7	0.099977	12.0	0.999981						
0.7	0.998607	2.4	0.999986	0.8	0.873385	3.5	0.981106	0.8	0.020967	2.5	0.807396	0.8	0.099977	12.0	0.999981						
0.8	0.997829	2.5	0.999989	0.9	0.873385	3.5	0.981106	0.9	0.020967	2.5	0.815377	0.9	0.099977	12.0	0.999981						
0.9	0.998773	2.6	0.999990	1.0	0.873385	3.5	0.981106	1.0	0.020967	2.5	0.823377	1.0	0.099977	12.0	0.999981						
1.0	0.999610	2.7	0.999989	1.1	0.873385	3.5	0.981106	1.1	0.020967	2.5	0.831375	1.1	0.099977	12.0	0.999981						
1.1	0.999888	2.8	0.999989	1.2	0.873385	3.5	0.981106	1.2	0.020967	2.5	0.839373	1.2	0.099977	12.0	0.999981						
1.2	0.999111	2.9	0.999989	1.3	0.873385	3.5	0.981106	1.3	0.020967	2.5	0.847371	1.3	0.099977	12.0	0.999981						
1.3	0.999289	3.0	0.999989	1.4	0.873385	3.5	0.981106	1.4	0.020967	2.5	0.855369	1.4	0.099977	12.0	0.999981						
1.4	0.999831	4.0	0.999988	1.5	0.873385	3.5	0.981106	1.5	0.020967	2.5	0.863367	1.5	0.099977	12.0	0.999981						
1.5	0.999545	4.5	0.999999	1.6	0.873385	3.5	0.981106	1.6	0.020967	2.5	0.871366	1.6	0.099977	12.0	0.999981						
1.6	0.999821	5.0	0.999999	1.7	0.873385	3.5	0.981106	1.7	0.020967	2.5	0.879364	1.7	0.099977	12.0	0.999981						
RRW= .50																					
0.0	0.992987	1.9	0.997230	0.1	0.862023	2.6	0.925957	0.0	0.020955	5.0	0.759987	0.0	0.032281	38.0	0.599977						
0.1	0.951352	2.0	0.997645	0.2	0.959792	3.0	0.976635	0.1	0.020955	5.0	0.806333	0.1	0.034190	40.0	0.556789						
0.2	0.958510	2.1	0.997945	0.3	0.959827	3.0	0.976635	0.2	0.020955	5.0	0.806333	0.2	0.036132	42.0	0.585650						
0.3	0.966629	2.2	0.998287	0.4	0.959827	3.0	0.976635	0.3	0.020955	5.0	0.806333	0.3	0.038071	44.0	0.609557						
0.4	0.974640	2.3	0.998500	0.5	0.959827	3.0	0.976635	0.4	0.020955	5.0	0.806333	0.4	0.040006	46.0	0.616706						
0.5	0.978731	2.4	0.998725	0.6	0.959827	3.0	0.976635	0.5	0.020955	5.0	0.806333	0.5	0.042047	48.0	0.633633						
0.6	0.980701	2.5	0.998938	0.7	0.959827	3.0	0.976635	0.6	0.020955	5.0	0.806333	0.6	0.045787	50.0	0.641853						
0.7	0.981302	2.6	0.999095	0.8	0.959827	3.0	0.976635	0.7	0.020955	5.0	0.806333	0.7	0.048706	52.0	0.670557						
0.8	0.988056	2.7	0.999226	0.9	0.959827	3.0	0.976635	0.8	0.020955	5.0	0.806333	0.8	0.051533	54.0	0.765368						
0.9	0.984605	2.8	0.999342	1.0	0.959827	3.0	0.976635	0.9	0.020955	5.0	0.806333	0.9	0.053081	56.0	0.784229						
1.0	0.988606	2.9	0.999342	1.1	0.959827	3.0	0.976635	1.0	0.020955	5.0	0.806333	1.0	0.053725	58.0	0.796702						
1.1	0.990119	3.0	0.999342	1.2	0.959827	3.0	0.976635	1.1	0.020955	5.0	0.806333	1.1	0.055725	60.0	0.811391						
1.2	0.990473	3.1	0.999342	1.3	0.959827	3.0	0.976635	1.2	0.020955	5.0	0.806333	1.2	0.057209	62.0	0.822799						
1.3	0.990739	3.2	0.999342	1.4	0.959827	3.0	0.976635	1.3	0.020955	5.0	0.806333	1.3	0.058793	64.0	0.830343						
1.4	0.991170	3.3	0.999342	1.5	0.959827	3.0	0.976635	1.4	0.020955	5.0	0.806333	1.4	0.060396	66.0	0.838323						
1.5	0.991510	3.4	0.999342	1.6	0.959827	3.0	0.976635	1.5	0.020955	5.0	0.806333	1.5	0.061941	68.0	0.845953						
1.6	0.991847	3.5	0.999345	1.7	0.959827	3.0	0.976635	1.6	0.020955	5.0	0.806333	1.6	0.063489	70.0	0.852765						
1.7	0.992180	3.6	0.999345	1.8	0.959827	3.0	0.976635														

D/M/4 COF OF NUMBER IN SYSTEM

STATE	I	P(I<=I)	P(E<=I)	STATE	I	P(I>=I)	P(E>=I)	STATE	I	P(I<=I)	P(E<=I)	STATE	I	P(I>=I)	P(E>=I)	STATE	I	P(I<=I)	P(E<=I)	STATE	I	P(I>=I)	P(E>=I)		
BHO= .10																									
0 . 517808	0 . 617780	6 . 6924678-16	0 . 999999	0 . 108810P-01	0 . 010487	18 . 481231P-03	0 . 999970	0 . 380663P-03	0 . 002381	56 . 9565047-02	0 . 889667	0 . 918182	0 . 004594	58 . 821073E-02	0 . 998242	0 . 176827P-01	0 . 999999	0 . 202118P	0 . 021188	60 . 388234P-02	0 . 906167	0 . 165491P-02	0 . 021188	60 . 388234P-02	0 . 906167
1 . 364472	0 . 582276	7 . 310318E-20	0 . 999999	1 . 076052P-01	0 . 093240	19 . 200730P-03	0 . 999970	1 . 211928P-01	0 . 021188	62 . 357998E-02	0 . 913475	1 . 165491P-02	0 . 021188	62 . 357998E-02	0 . 913475	1 . 165491P-02	0 . 021188	62 . 357998E-02	0 . 913475	1 . 165491P-02	0 . 021188	62 . 357998E-02	0 . 913475		
2 . 176827P-01	0 . 999999	8 . 162058E-20	0 . 999999	2 . 123003	0 . 311691	16 . 2116272P-03	0 . 999970	2 . 165491P-02	0 . 021188	64 . 304904E-02	0 . 926427	2 . 123003	0 . 311691	16 . 2116272P-03	0 . 999970	2 . 165491P-02	0 . 021188	64 . 304904E-02	0 . 926427	2 . 165491P-02	0 . 021188	64 . 304904E-02	0 . 926427		
3 . 0075018-04	0 . 999999	9 . 160685E-20	0 . 999999	3 . 177889	0 . 585590	17 . 2116273P-03	0 . 999970	3 . 266887P-01	0 . 051833	66 . 310114P-02	0 . 920213	3 . 177889	0 . 585590	17 . 2116273P-03	0 . 999970	3 . 266887P-01	0 . 051833	66 . 310114P-02	0 . 920213	3 . 266887P-01	0 . 051833	66 . 310114P-02	0 . 920213		
4 . 335664P-07	0 . 999999	10 . 2076710E-22	0 . 999999	5 . 108783	0 . 777321	18 . 3010758P-04	0 . 999952	5 . 360991R-01	0 . 127524	68 . 280695P-02	0 . 932157	5 . 108783	0 . 777321	18 . 3010758P-04	0 . 999952	5 . 360991R-01	0 . 127524	68 . 280695P-02	0 . 932157	5 . 360991R-01	0 . 127524	68 . 280695P-02	0 . 932157		
5 . 152652P-11	0 . 999999	11 . 133386E-22	0 . 999999	5 . 103001	0 . 876124	19 . 2133372P-03	0 . 999970	6 . 366682P-01	0 . 162189	70 . 280695P-02	0 . 932157	5 . 103001	0 . 876124	19 . 2133372P-03	0 . 999970	6 . 366682P-01	0 . 162189	70 . 280695P-02	0 . 932157	6 . 366682P-01	0 . 162189	70 . 280695P-02	0 . 932157		
BHO= .20																									
0 . 351216	0 . 351216	7 . 57151923E-10	1 . 000000	7 . 306618P-01	0 . 963108	21 . 6351372P-02	0 . 999992	7 . 312875P-01	0 . 195476	76 . 210121P-02	0 . 937641	7 . 306618P-01	0 . 963108	21 . 6351372P-02	0 . 999992	7 . 312875P-01	0 . 195476	76 . 210121P-02	0 . 937641	7 . 312875P-01	0 . 195476	76 . 210121P-02	0 . 937641		
1 . 306790	0 . 858019	8 . 398878E-12	1 . 000000	9 . 112705P-01	0 . 999999	22 . 100000P-02	0 . 999999	9 . 196550P-01	0 . 258116	78 . 171542P-02	0 . 958292	9 . 112705P-01	0 . 999999	22 . 100000P-02	0 . 999999	9 . 196550P-01	0 . 258116	78 . 171542P-02	0 . 958292	9 . 196550P-01	0 . 258116	78 . 171542P-02	0 . 958292		
2 . 112922	0 . 999937	9 . 278320E-10	1 . 000000	10 . 191517E-16	1 . 000000	23 . 111145P-05	0 . 999999	10 . 263083P-01	0 . 115916	80 . 115056E-02	0 . 972192	10 . 191517E-16	1 . 000000	23 . 111145P-05	0 . 999999	10 . 263083P-01	0 . 115916	80 . 115056E-02	0 . 972192	10 . 263083P-01	0 . 115916	80 . 115056E-02	0 . 972192		
3 . 089323E-02	0 . 999998	10 . 135460E-10	1 . 000000	11 . 133386E-22	0 . 999999	12 . 591288E-02	0 . 999819	12 . 307105P-02	0 . 999999	12 . 217297P-01	0 . 343096	82 . 919370E-01	0 . 977298	11 . 133386E-22	0 . 999999	12 . 591288E-02	0 . 999819	12 . 307105P-02	0 . 999999	12 . 217297P-01	0 . 343096	82 . 919370E-01	0 . 977298		
4 . 169317E-03	0 . 999998	11 . 135460E-10	1 . 000000	12 . 985264E-21	1 . 000000	13 . 000853P-03	0 . 999976	13 . 272145P-07	0 . 999999	13 . 260670P-01	0 . 394258	84 . 626277E-02	0 . 988461	12 . 985264E-21	1 . 000000	13 . 000853P-03	0 . 999976	13 . 272145P-07	0 . 999999	13 . 260670P-01	0 . 394258	84 . 626277E-02	0 . 988461		
5 . 117803P-05	1 . 000000	13 . 135460E-10	1 . 000000	6 . 191937E-08	0 . 999999	BHO= .30																			
0 . 198250	0 . 198250	8 . 115163E-07	1 . 000000	1 . 159332P-01	0 . 999999	2 . 100000P-02	0 . 999999	2 . 100000P-02	0 . 999999	2 . 110000P-01	0 . 115916	16 . 725970P-03	0 . 999767	0 . 699996E-02	0 . 999999	1 . 159332P-01	0 . 999999	2 . 100000P-02	0 . 999999	2 . 110000P-01	0 . 115916	16 . 725970P-03	0 . 999767	0 . 699996E-02	0 . 999999
1 . 370688	0 . 665118	9 . 470819E-09	1 . 000000	1 . 159332P-01	0 . 999999	2 . 100000P-02	0 . 999999	2 . 100000P-02	0 . 999999	2 . 110000P-01	0 . 115916	17 . 100000P-03	0 . 999999	0 . 699996E-02	0 . 999999	1 . 159332P-01	0 . 999999	2 . 100000P-02	0 . 999999	2 . 110000P-01	0 . 115916	17 . 100000P-03	0 . 999999	0 . 699996E-02	0 . 999999
2 . 127301	0 . 999719	10 . 1924279E-10	1 . 000000	2 . 100000P-02	0 . 999999	2 . 100000P-02	0 . 999999	2 . 110000P-01	0 . 115916	18 . 278720P-03	0 . 999913	2 . 188701P-01	0 . 543293	140 . 151533E-01	0 . 993319	2 . 100000P-02	0 . 999999	2 . 110000P-01	0 . 115916	18 . 278720P-03	0 . 999913	2 . 188701P-01	0 . 543293	140 . 151533E-01	0 . 993319
3 . 537700E-01	0 . 999570	11 . 706649E-12	1 . 000000	3 . 102612	0 . 488800	17 . 185001P-03	0 . 999925	3 . 175610P-01	0 . 472028	18 . 113379P-03	0 . 999880	18 . 231109P-03	0 . 999880	18 . 231109P-03	0 . 999880	18 . 231109P-03	0 . 999880	18 . 231109P-03	0 . 999880	18 . 231109P-03	0 . 999880	18 . 231109P-03	0 . 999880		
4 . 612263E-02	0 . 999824	12 . 321702E-12	1 . 000000	6 . 755010E-01	0 . 999553	20 . 113379P-03	0 . 999880	20 . 113379P-03	0 . 999880	20 . 113379P-03	0 . 999880	20 . 113379P-03	0 . 999880	20 . 113379P-03	0 . 999880	20 . 113379P-03	0 . 999880	20 . 113379P-03	0 . 999880	20 . 113379P-03	0 . 999880	20 . 113379P-03	0 . 999880		
5 . 168582E-03	0 . 999983	13 . 135151E-10	1 . 000000	7 . 475255P-01	0 . 999553	21 . 715278E-09	0 . 999879	21 . 715278E-09	0 . 999879	21 . 715278E-09	0 . 999879	21 . 715278E-09	0 . 999879	21 . 715278E-09	0 . 999879	21 . 715278E-09	0 . 999879	21 . 715278E-09	0 . 999879	21 . 715278E-09	0 . 999879	21 . 715278E-09	0 . 999879		
6 . 203794E-05	1 . 000000	18 . 597670E-16	1 . 000000	8 . 290759P-02	0 . 999824	22 . 466268P-03	0 . 999922	22 . 466268P-03	0 . 999922	22 . 466268P-03	0 . 999922	22 . 466268P-03	0 . 999922	22 . 466268P-03	0 . 999922	22 . 466268P-03	0 . 999922	22 . 466268P-03	0 . 999922	22 . 466268P-03	0 . 999922	22 . 466268P-03	0 . 999922		
7 . 281863E-06	1 . 000000	15 . 219815E-17	1 . 000000	9 . 126891	0 . 488153	23 . 110801P-03	0 . 999811	9 . 126891	0 . 488153	23 . 110801P-03	0 . 999811	9 . 126891	0 . 488153	23 . 110801P-03	0 . 999811	9 . 126891	0 . 488153	23 . 110801P-03	0 . 999811	9 . 126891	0 . 488153	23 . 110801P-03	0 . 999811		
BHO= .40																									
0 . 105889	0 . 105889	10 . 350113E-07	1 . 000000	13 . 293298E-02	0 . 999999	14 . 209508E-03	0 . 999999	14 . 209508E-03	0 . 999999	14 . 209508E-03	0 . 999999	14 . 209508E-03	0 . 999999	14 . 209508E-03	0 . 999999	14 . 209508E-03	0 . 999999	14 . 209508E-03	0 . 999999	14 . 209508E-03	0 . 999999	14 . 209508E-03	0 . 999999		
1 . 374270	0 . 4800123	11 . 375868E-09	1 . 000000	15 . 210312E-02	0 . 999999	16 . 201321P-03	0 . 999999	16 . 201321P-03	0 . 999999	16 . 201321P-03	0 . 999999	16 . 201321P-03	0 . 999999	16 . 201321P-03	0 . 999999	16 . 201321P-03	0 . 999999	16 . 201321P-03	0 . 999999	16 . 201321P-03	0 . 999999	16 . 201321P-03	0 . 999999		
2 . 136529	0 . 826265	16 . 120312E-02	1 . 000000	17 . 237002E-02	0 . 999999	18 . 200636E-02	0 . 999999	18 . 200636E-02	0 . 999999	18 . 200636E-02	0 . 999999	18 . 200636E-02	0 . 999999	18 . 200636E-02	0 . 999999	18 . 200636E-02	0 . 999999	18 . 200636E-02	0 . 999999	18 . 200636E-02	0 . 999999	18 . 200636E-02	0 . 999999		
3 . 136529	0 . 999999	18 . 120312E-02	1 . 000000	19 . 237002E-02	0 . 999999	20 . 110508E-02	0 . 999999	20 . 110508E-02	0 . 999999	20 . 110508E-02	0 . 999999	20 . 110508E-02	0 . 999999	20 . 110508E-02	0 . 999999	20 . 110508E-02	0 . 999999	20 . 110508E-02	0 . 999999	20 . 110508E-02	0 . 999999	20 . 110508E-02	0 . 999999		
4 . 136529	0 . 999999	21 . 120312E-02	1 . 000000	22 . 130312E-02	0 . 999999	23 . 110508E-02	0 . 999999	23 . 110508E-02	0 . 999999	23 . 110508E-02	0 . 999999	23 . 110508E-02	0 . 999999	23 . 110508E-02	0 . 999999	23 . 110508E-02	0 . 999999	23 . 110508E-02	0 . 999999	23 . 110508E-02	0 . 999999	23 . 110508E-02	0 . 999999		
5 . 136529	0 . 999999	22 . 120312E-02	1 . 000000	23 . 130312E-02	0 . 999999	24 . 110508E-02	0 . 999999	24 . 110508E-02	0 . 99																

D/M/4 CDF OF WRITING TIME IN THE QUEUE

TIME	T	P(BTC=T)	TIME	T	P(BTC=T)	TIME	T	P(BTC=T)	TIME	T	P(BTC=T)	TIME	T	P(BTC=T)	TIME	T	P(BTC=T)
BBQ= .10																	
0.0	1.000000		0.0	0.999651	2.2	0.999027	0.0	0.978313	1.0	0.907197	0.0	0.972897	22.0	0.439019			
			0.1	0.999785	2.3	0.998327	0.1	0.901949	1.5	0.936797	0.1	0.976588	23.0	0.439019			
			0.2	0.999527	2.4	0.998063	0.2	0.508316	4.0	0.951949	0.2	0.980384	24.0	0.439019			
			0.3	0.999496	2.5	0.998511	0.3	0.524983	5.5	0.883236	0.3	0.988105	25.0	0.439019			
			0.4	0.999394	2.6	0.998083	0.4	0.508119	5.0	0.901211	0.4	0.9878105	26.0	0.725273			
			0.5	0.999394	2.7	0.998797	0.5	0.555241	6.0	0.929206	0.5	0.991502	27.0	0.766670			
			0.6	0.999394	2.8	0.998951	0.6	0.569865	7.0	0.999303	0.6	0.995179	28.0	0.766670			
			0.7	0.999394	2.9	0.999023	0.7	0.570009	8.0	0.913768	0.7	0.998839	29.0	0.766670			
			0.8	0.999394	3.0	0.999073	0.8	0.570079	9.0	0.979457	0.8	0.998839	30.0	0.766670			
			0.9	0.999394	3.1	0.999046	0.9	0.610916	10.0	0.931625	0.9	0.106116	31.0	0.816682			
			1.0	0.999394	3.2	0.999025	1.0	0.621710	11.0	0.986711	1.0	0.109733	32.0	0.831107			
			1.1	0.999394	3.3	0.999091	1.1	0.636083	12.0	0.993191	1.1	0.113335	33.0	0.856321			
			1.2	0.999394	3.4	0.999054	1.2	0.684094	13.0	0.993191	1.2	0.116722	34.0	0.856321			
			1.3	0.999394	3.5	0.999027	1.3	0.695622	14.0	0.995126	1.3	0.120495	48.0	0.867576			
			1.4	0.999394	3.6	0.999093	1.4	0.701618	15.0	0.996519	1.4	0.124058	50.0	0.877090			
			1.5	0.999394	3.7	0.999053	1.5	0.705553	16.0	0.997553	1.5	0.128122	55.0	0.887996			
			1.6	0.999394	3.8	0.999027	1.6	0.706420	17.0	0.998127	1.6	0.131120	58.0	0.887996			
			1.7	0.999394	3.9	0.999091	1.7	0.705921	18.0	0.998720	1.7	0.136448	65.0	0.833528			
			1.8	0.999394	4.0	0.999055	1.8	0.702231	19.0	0.999202	1.8	0.138185	70.0	0.865725			
			1.9	0.999394	4.1	0.999027	1.9	0.721491	20.0	0.999364	1.9	0.141632	75.0	0.855684			
			2.0	0.999394	4.2	0.999091	2.0	0.730869	22.0	0.999020	2.0	0.145105	80.0	0.963816			
			2.1	0.999394	4.3	0.999054	2.1	0.735956	24.0	0.999020	2.1	0.148564	85.0	0.970955			
			2.2	0.999394	4.4	0.999027	2.2	0.740771	26.0	0.999020	2.2	0.152090	90.0	0.970955			
			2.3	0.999394	4.5	0.999091	2.3	0.754355	28.0	0.999020	2.3	0.155857	100.0	0.939017			
			2.4	0.999394	4.6	0.999056	2.4	0.768366	30.0	0.999020	2.4	0.158857	100.0	0.939017			
			2.5	0.999394	4.7	0.999027	2.5	0.772110	32.0	0.999020	2.5	0.162260	110.0	0.990277			
			2.6	0.999394	4.8	0.999091	2.6	0.779604	34.0	0.999020	2.6	0.165659	120.0	0.992051			
			2.7	0.999394	4.9	0.999055	2.7	0.786055	36.0	0.999020	2.7	0.169026	130.0	0.992051			
			2.8	0.999394	5.0	0.999027	2.8	0.793063	38.0	0.999020	2.8	0.172388	140.0	0.996223			
			2.9	0.999394	5.1	0.999091	2.9	0.800641	40.0	0.999020	2.9	0.175337	150.0	0.999020			
			3.0	0.999394	5.2	0.999054	3.0	0.807556	42.0	0.999020	3.0	0.178904	160.0	0.996985			
			3.1	0.999394	5.3	0.999027	3.1	0.815545	44.0	0.999020	3.1	0.182581	170.0	0.999020			
			3.2	0.999394	5.4	0.999091	3.2	0.823571	46.0	0.999020	3.2	0.186169	180.0	0.993722			
			3.3	0.999394	5.5	0.999056	3.3	0.831598	48.0	0.999020	3.3	0.189740	190.0	0.999582			
			3.4	0.999394	5.6	0.999027	3.4	0.839737	50.0	0.999020	3.4	0.193370	200.0	0.999721			
			3.5	0.999394	5.7	0.999091	3.5	0.848084	52.0	0.999020	3.5	0.196310	210.0	0.999721			
			3.6	0.999394	5.8	0.999055	3.6	0.856276	54.0	0.999020	3.6	0.201308	220.0	0.999814			
			3.7	0.999394	5.9	0.999027	3.7	0.864271	56.0	0.999020	3.7	0.205327	230.0	0.999814			
			3.8	0.999394	6.0	0.999091	3.8	0.872306	58.0	0.999020	3.8	0.209355	240.0	0.999814			
			3.9	0.999394	6.1	0.999056	3.9	0.880346	60.0	0.999020	3.9	0.213383	250.0	0.999814			
			4.0	0.999394	6.2	0.999027	4.0	0.888373	62.0	0.999020	4.0	0.217310	260.0	0.999814			
			4.1	0.999394	6.3	0.999091	4.1	0.896400	64.0	0.999020	4.1	0.221338	270.0	0.999814			
			4.2	0.999394	6.4	0.999055	4.2	0.904427	66.0	0.999020	4.2	0.225366	280.0	0.999814			
			4.3	0.999394	6.5	0.999027	4.3	0.912454	68.0	0.999020	4.3	0.229394	290.0	0.999814			
			4.4	0.999394	6.6	0.999091	4.4	0.920481	70.0	0.999020	4.4	0.233422	300.0	0.999814			
			4.5	0.999394	6.7	0.999056	4.5	0.928508	72.0	0.999020	4.5	0.237450	310.0	0.999814			
			4.6	0.999394	6.8	0.999027	4.6	0.936535	74.0	0.999020	4.6	0.241478	320.0	0.999814			
			4.7	0.999394	6.9	0.999091	4.7	0.944562	76.0	0.999020	4.7	0.245506	330.0	0.999814			
			4.8	0.999394	7.0	0.999055	4.8	0.952589	78.0	0.999020	4.8	0.249534	340.0	0.999814			
			4.9	0.999394	7.1	0.999027	4.9	0.960616	80.0	0.999020	4.9	0.253562	350.0	0.999814			
			5.0	0.999394	7.2	0.999091	5.0	0.968643	82.0	0.999020	5.0	0.257590	360.0	0.999814			
			5.1	0.999394	7.3	0.999056	5.1	0.976670	84.0	0.999020	5.1	0.261618	370.0	0.999814			
			5.2	0.999394	7.4	0.999027	5.2	0.984697	86.0	0.999020	5.2	0.265646	380.0	0.999814			
			5.3	0.999394	7.5	0.999091	5.3	0.992724	88.0	0.999020	5.3	0.269674	390.0	0.999814			
			5.4	0.999394	7.6	0.999055	5.4	0.999751	90.0	0.999020	5.4	0.273702	400.0	0.999814			
			5.5	0.999394	7.7	0.999027	5.5	0.999778	92.0	0.999020	5.5	0.277730	410.0	0.999814			
			5.6	0.999394	7.8	0.999091	5.6	0.999805	94.0	0.999020	5.6	0.281758	420.0	0.999814			
			5.7	0.999394	7.9	0.999056	5.7	0.999832	96.0	0.999020	5.7	0.285786	430.0	0.999814			
			5.8	0.999394	8.0	0.999027	5.8	0.999859	98.0	0.999020	5.8	0.289814	440.0	0.999814			
			5.9	0.999394	8.1	0.999091	5.9	0.999886	100.0	0.999020	5.9	0.293842	450.0	0.999814			
			6.0	0.999394	8.2	0.999055	6.0	0.999913	102.0	0.999020	6.0	0.297870	460.0	0.999814			
			6.1	0.999394	8.3	0.999027	6.1	0.999940	104.0	0.999020	6.1	0.301898	470.0	0.999814			
			6.2	0.999394	8.4	0.999091	6.2	0.999967	106.0	0.999020	6.2	0.305926	480.0	0.999814			
			6.3	0.999394	8.5	0.999056	6.3	0.999994	108.0	0.999020	6.3	0.309954	490.0	0.999814			
			6.4	0.999394	8.6	0.999027	6.4	0.999994	110.0	0.999020	6.4	0.313982	500.0	0.999814			
			6.5	0.999394	8.7	0.999091	6.5	0.999994	112.0	0.999020	6.5	0.317910	510.0	0.999814			
			6.6	0.999394	8.8	0.999055	6.6	0.999994	114.0	0.999020	6.6	0.321938	520.0	0.999814			
			6.7	0.999394	8.9	0.999027	6.7	0.999994	116.0	0.99902							

D/M/5

CDF OF NUMBER IN SYSTEM

CDF OF NUMBER IN SYSTEM											
STATE	I	P(N=I)	P(E<=I)	P(U>I)	P(S<=I)	STATE	I	P(N=I)	P(E<=I)	P(U>I)	P(S<=I)
B80<.10						B80-.75					
0 .530645	6 .533065	6 .1105797E-13	1 .000000			0 .3307907E-02	0 .0003036	16 .691029E-03	0 .999149		
1 .033190	0 .961802	7 .5022580E-10	1 .000000			1 .3466608E-01	0 .037976	15 .787120E-03	0 .999150		
2 .3767082E-01	0 .999597	2 .2802120E-22	1 .000000			2 .127730	0 .1657030	16 .206308E-03	0 .999151		
3 .0810773E-01	1 .000000	9 .1036176E-26	1 .000000			3 .120000	0 .0999999	16 .206308E-03	0 .999152		
4 .9358080E-01	1 .000000	10 .9703638E-31	1 .000000			4 .260000	0 .000012	16 .611147E-03	0 .999153		
5 .2434557E-09	1 .000000	11 .2137648E-35	1 .000000			5 .161751	0 .005785	15 .353016E-04	0 .999154		
						6 .8625108E-01	0 .004035	20 .1628189E-04	0 .999155		
						7 .981597E-01	0 .024102	21 .9787470E-05	0 .999156		
						8 .261717E-01	0 .004035	20 .1628189E-04	0 .999157		
						9 .342717E-01	0 .024102	21 .296932E-05	0 .999158		
						10 .7020582E-02	0 .990611	20 .162808E-05	0 .999159		
						11 .232808E-02	0 .997206	20 .1628227E-06	1 .000000		
						12 .127020E-02	0 .998767	30 .427371E-07	1 .000000		
B80=.20						B80=.30					
0 .261800	0 .261800	7 .8377850E-09	0 .999999			0 .2056602E-02	0 .002056	16 .281999E-02	0 .999156		
1 .504429	0 .766229	8 .5065609E-11	0 .999999			1 .233730E-01	0 .025259	15 .165669E-02	0 .999157		
2 .206601	0 .973110	9 .1076784E-13	0 .999999			2 .273955	0 .1657030	16 .206308E-02	0 .999158		
3 .2576665E-01	0 .998877	10 .2845960E-15	0 .999999			3 .170061	0 .099984	15 .257153E-03	0 .999159		
4 .1105363E-02	0 .999962	11 .1985356E-17	0 .999999			4 .130000	0 .081809	20 .162808E-05	0 .999160		
5 .1723132E-01	0 .999999	12 .1385356E-19	0 .999999			5 .675229E-01	0 .000001	21 .161116E-04	0 .999161		
6 .1200887E-06	0 .999999	12 .965684E-22	0 .999999			6 .234700E-01	0 .000001	20 .1628189E-04	0 .999162		
						7 .266834E-01	0 .000001	20 .1628189E-04	0 .999163		
						8 .301717E-01	0 .000001	20 .1628189E-04	0 .999164		
						9 .342717E-01	0 .000001	20 .1628189E-04	0 .999165		
						10 .383717E-01	0 .000001	20 .1628189E-04	0 .999166		
						11 .424717E-01	0 .000001	20 .1628189E-04	0 .999167		
						12 .465717E-01	0 .000001	20 .1628189E-04	0 .999168		
						13 .506717E-01	0 .000001	20 .1628189E-04	0 .999169		
						14 .547717E-01	0 .000001	20 .1628189E-04	0 .999170		
						15 .588717E-01	0 .000001	20 .1628189E-04	0 .999171		
						16 .629717E-01	0 .000001	20 .1628189E-04	0 .999172		
						17 .670717E-01	0 .000001	20 .1628189E-04	0 .999173		
						18 .711717E-01	0 .000001	20 .1628189E-04	0 .999174		
						19 .752717E-01	0 .000001	20 .1628189E-04	0 .999175		
						20 .793717E-01	0 .000001	20 .1628189E-04	0 .999176		
						21 .834717E-01	0 .000001	20 .1628189E-04	0 .999177		
						22 .875717E-01	0 .000001	20 .1628189E-04	0 .999178		
						23 .916717E-01	0 .000001	20 .1628189E-04	0 .999179		
						24 .957717E-01	0 .000001	20 .1628189E-04	0 .999180		
						25 .998717E-01	0 .000001	20 .1628189E-04	0 .999181		
						26 .1028717E-01	0 .000001	20 .1628189E-04	0 .999182		
						27 .1068717E-01	0 .000001	20 .1628189E-04	0 .999183		
						28 .1108717E-01	0 .000001	20 .1628189E-04	0 .999184		
						29 .1148717E-01	0 .000001	20 .1628189E-04	0 .999185		
						30 .1188717E-01	0 .000001	20 .1628189E-04	0 .999186		
						31 .1228717E-01	0 .000001	20 .1628189E-04	0 .999187		
						32 .1268717E-01	0 .000001	20 .1628189E-04	0 .999188		
						33 .1308717E-01	0 .000001	20 .1628189E-04	0 .999189		
						34 .1348717E-01	0 .000001	20 .1628189E-04	0 .999190		
						35 .1388717E-01	0 .000001	20 .1628189E-04	0 .999191		
						36 .1428717E-01	0 .000001	20 .1628189E-04	0 .999192		
						37 .1468717E-01	0 .000001	20 .1628189E-04	0 .999193		
						38 .1508717E-01	0 .000001	20 .1628189E-04	0 .999194		
						39 .1548717E-01	0 .000001	20 .1628189E-04	0 .999195		
						40 .1588717E-01	0 .000001	20 .1628189E-04	0 .999196		
						41 .1628717E-01	0 .000001	20 .1628189E-04	0 .999197		
						42 .1668717E-01	0 .000001	20 .1628189E-04	0 .999198		
						43 .1708717E-01	0 .000001	20 .1628189E-04	0 .999199		
						44 .1748717E-01	0 .000001	20 .1628189E-04	0 .999200		
						45 .1788717E-01	0 .000001	20 .1628189E-04	0 .999201		
						46 .1828717E-01	0 .000001	20 .1628189E-04	0 .999202		
						47 .1868717E-01	0 .000001	20 .1628189E-04	0 .999203		
						48 .1908717E-01	0 .000001	20 .1628189E-04	0 .999204		
						49 .1948717E-01	0 .000001	20 .1628189E-04	0 .999205		
						50 .1988717E-01	0 .000001	20 .1628189E-04	0 .999206		
						51 .2028717E-01	0 .000001	20 .1628189E-04	0 .999207		
						52 .2068717E-01	0 .000001	20 .1628189E-04	0 .999208		
						53 .2108717E-01	0 .000001	20 .1628189E-04	0 .999209		
						54 .2148717E-01	0 .000001	20 .1628189E-04	0 .999210		
						55 .2188717E-01	0 .000001	20 .1628189E-04	0 .999211		
						56 .2228717E-01	0 .000001	20 .1628189E-04	0 .999212		
						57 .2268717E-01	0 .000001	20 .1628189E-04	0 .999213		
						58 .2308717E-01	0 .000001	20 .1628189E-04	0 .999214		
						59 .2348717E-01	0 .000001	20 .1628189E-04	0 .999215		
						60 .2388717E-01	0 .000001	20 .1628189E-04	0 .999216		
						61 .2428717E-01	0 .000001	20 .1628189E-04	0 .999217		
						62 .2468717E-01	0 .000001	20 .1628189E-04	0 .999218		
						63 .2508717E-01	0 .000001	20 .1628189E-04	0 .999219		
						64 .2548717E-01	0 .000001	20 .1628189E-04	0 .999220		
						65 .2588717E-01	0 .000001	20 .1628189E-04	0 .999221		
						66 .2628717E-01	0 .000001	20 .1628189E-04	0 .999222		
						67 .2668717E-01	0 .000001	20 .1628189E-04	0 .999223		
						68 .2708717E-01	0 .000001	20 .1628189E-04	0 .999224		
						69 .2748717E-01	0 .000001	20 .1628189E-04	0 .999225		
						70 .2788717E-01	0 .000001	20 .1628189E-04	0 .999226		
						71 .2828717E-01	0 .000001	20 .1628189E-04	0 .999227		
						72 .2868717E-01	0 .000001	20 .1628189E-04	0 .999228		
						73 .2908717E-01	0 .000001	20 .1628189E-04	0 .999229		
						74 .2948717E-01	0 .000001	20 .1628189E-04	0 .999230		
						75 .2988717E-01	0 .000001	20 .1628189E-04	0 .999231		
						76 .3028717E-01	0 .000001	20 .1628189E-04	0 .999232		
						77 .3068717E-01	0 .000001	20 .1628189E-04	0 .999233		
						78 .3108717E-01	0 .000001	20 .1628189E-04	0 .999234		
						79 .3148717E-01	0 .000001	20 .1628189E-04	0 .999235		
						80 .3188717E-01	0 .000001	20 .1628189E-04	0 .999236		
						81 .3228717E-01	0 .000001	20 .1628189E-04	0 .999237		
						82 .3268717E-01	0 .000001	20 .1628189E-04	0 .999238		
						83 .3308717E-01	0 .000001	20 .1628189E-04	0 .999239		
						84 .3348717E-01	0 .000001	20 .1628189E-04	0 .999240		
						85 .3388717E-01	0 .000001	20 .1628189E-04	0 .999241		
						86 .3428717E-01	0 .000001	20 .1628189E-04	0 .999242		
						87 .3468717E-01	0 .000001	20 .1628189E-04	0 .999243		
						88 .3508717E-01	0 .000001	20 .1628189E-04	0 .999244		
						89 .3548717E-01	0 .000001	20 .1628189E-04	0 .999245		
						90 .3588717E-01	0 .000001	20 .1628189E-04	0 .999246		
						91 .3628717E-01	0 .000001	20 .1628189E-04	0 .999247		

D/M/5 CDF OF WAITING TIME IN THE QUEUE

TIME T	P (PSI-C=T)										
880-10	880-20	880-30	880-40	880-50	880-60	880-70	880-80	880-90	880-100	880-110	880-120
0.0	1.000000	0.0	0.880005	2.2	0.880262	0.0	0.513000	3.0	0.821246	0.0	0.800710
0.1	0.999999	0.1	0.899929	2.3	0.899676	0.1	0.520075	3.1	0.800095	0.1	0.800449
0.2	0.999998	0.2	0.908626	2.4	0.908777	0.2	0.555160	3.2	0.872326	0.2	0.800158
0.3	0.999998	0.3	0.913238	2.5	0.908663	0.3	0.560099	3.3	0.891081	0.3	0.891043
0.4	0.999998	0.4	0.920872	2.6	0.909655	0.4	0.576361	3.4	0.890236	0.4	0.895518
0.5	0.999998	0.5	0.927926	2.7	0.909760	0.5	0.580850	3.5	0.893652	0.5	0.899177
0.6	0.999998	0.6	0.934351	2.8	0.909583	0.6	0.602876	3.6	0.915178	0.6	0.768071
0.7	0.999998	0.7	0.940323	2.9	0.909492	0.7	0.624897	3.7	0.933178	0.7	0.708652
0.8	0.999998	0.8	0.945534	3.0	0.909317	0.8	0.647610	3.8	0.956087	0.8	0.710068
0.9	0.999998	0.9	0.950302	3.1	0.909222	0.9	0.660056	3.9	0.982326	0.9	0.713660
1.0	0.999998	1.0	0.954881	3.2	0.909175	1.0	0.671591	4.0	0.987707	1.0	0.717250
1.1	0.999997	1.1	0.958840	3.3	0.909129	1.1	0.683330	4.1	0.991200	1.1	0.720837
1.2	0.999997	1.2	0.962509	3.4	0.909091	1.2	0.697606	4.2	0.993701	1.2	0.724570
1.3	0.999997	1.3	0.966085	3.5	0.909053	1.3	0.711337	4.3	0.996337	1.3	0.728100
1.4	0.999997	1.4	0.971160	3.6	0.909016	1.4	0.725360	4.4	0.997590	1.4	0.731495
1.5	0.999997	1.5	0.976191	3.7	0.908979	1.5	0.739514	4.5	0.998306	1.5	0.734969
1.6	0.999997	1.6	0.979643	3.8	0.908940	1.6	0.752651	4.6	0.999153	1.6	0.741955
1.7	0.999997	1.7	0.982808	3.9	0.908906	1.7	0.763389	4.7	0.999993	1.7	0.748898
1.8	0.999997	1.8	0.985899	4.0	0.908876	1.8	0.774229	4.8	0.999999	1.8	0.756164
1.9	0.999997	1.9	0.988236	4.1	0.908849	1.9	0.785271	4.9	0.999999	1.9	0.763121
2.0	0.999997	2.1	0.990232	4.2	0.908821	2.0	0.795915	5.0	0.999999	2.0	0.770178
0.0	1.000000	1.0	0.999915	2.2	0.999915	0.0	0.515000	3.0	0.821246	0.0	0.800710
0.1	0.999997	1.1	0.999915	2.3	0.999915	0.1	0.520075	3.1	0.800095	0.1	0.800449
0.2	0.999997	1.2	0.999915	2.4	0.999915	0.2	0.555160	3.2	0.872326	0.2	0.800158
0.3	0.999997	1.3	0.999915	2.5	0.999915	0.3	0.560099	3.3	0.891081	0.3	0.891043
0.4	0.999997	1.4	0.999915	2.6	0.999915	0.4	0.576361	3.4	0.890236	0.4	0.895518
0.5	0.999997	1.5	0.999915	2.7	0.999915	0.5	0.580850	3.5	0.893652	0.5	0.899177
0.6	0.999997	1.6	0.999915	2.8	0.999915	0.6	0.602876	3.6	0.915178	0.6	0.768071
0.7	0.999997	1.7	0.999915	2.9	0.999915	0.7	0.624897	3.7	0.933178	0.7	0.708652
0.8	0.999997	1.8	0.999915	3.0	0.999915	0.8	0.647610	3.8	0.956087	0.8	0.710068
0.9	0.999997	1.9	0.999915	3.1	0.999915	0.9	0.660056	3.9	0.982326	0.9	0.713660
1.0	0.999997	2.0	0.999915	3.2	0.999915	1.0	0.671591	4.0	0.987707	1.0	0.717250
1.1	0.999997	2.1	0.999915	3.3	0.999915	1.1	0.683330	4.1	0.991200	1.1	0.720837
1.2	0.999997	2.2	0.999915	3.4	0.999915	1.2	0.697606	4.2	0.993701	1.2	0.724570
1.3	0.999997	2.3	0.999915	3.5	0.999915	1.3	0.711337	4.3	0.996337	1.3	0.731495
1.4	0.999997	2.4	0.999915	3.6	0.999915	1.4	0.725361	4.4	0.998306	1.4	0.734969
1.5	0.999997	2.5	0.999915	3.7	0.999915	1.5	0.739514	4.5	0.999153	1.5	0.741955
1.6	0.999997	2.6	0.999915	3.8	0.999915	1.6	0.752651	4.6	0.999993	1.6	0.756164
1.7	0.999997	2.7	0.999915	3.9	0.999915	1.7	0.763389	4.7	0.999999	1.7	0.770178
1.8	0.999997	2.8	0.999915	4.0	0.999915	1.8	0.774229	4.8	0.999999	1.8	0.780166
0.0	1.000000	1.0	0.999915	2.2	0.999915	0.0	0.515000	3.0	0.821246	0.0	0.800710
0.1	0.999997	1.1	0.999915	2.3	0.999915	0.1	0.520075	3.1	0.800095	0.1	0.800449
0.2	0.999997	1.2	0.999915	2.4	0.999915	0.2	0.555160	3.2	0.872326	0.2	0.800158
0.3	0.999997	1.3	0.999915	2.5	0.999915	0.3	0.560099	3.3	0.891081	0.3	0.891043
0.4	0.999997	1.4	0.999915	2.6	0.999915	0.4	0.576361	3.4	0.890236	0.4	0.895518
0.5	0.999997	1.5	0.999915	2.7	0.999915	0.5	0.580850	3.5	0.893652	0.5	0.899177
0.6	0.999997	1.6	0.999915	2.8	0.999915	0.6	0.602876	3.6	0.915178	0.6	0.768071
0.7	0.999997	1.7	0.999915	2.9	0.999915	0.7	0.624897	3.7	0.933178	0.7	0.708652
0.8	0.999997	1.8	0.999915	3.0	0.999915	0.8	0.647610	3.8	0.956087	0.8	0.710068
0.9	0.999997	1.9	0.999915	3.1	0.999915	0.9	0.660056	3.9	0.982326	0.9	0.713660
1.0	0.999997	2.0	0.999915	3.2	0.999915	1.0	0.671591	4.0	0.987707	1.0	0.717250
1.1	0.999997	2.1	0.999915	3.3	0.999915	1.1	0.683330	4.1	0.991200	1.1	0.720837
1.2	0.999997	2.2	0.999915	3.4	0.999915	1.2	0.697606	4.2	0.993701	1.2	0.724570
1.3	0.999997	2.3	0.999915	3.5	0.999915	1.3	0.711337	4.3	0.996337	1.3	0.731495
1.4	0.999997	2.4	0.999915	3.6	0.999915	1.4	0.725361	4.4	0.998306	1.4	0.734969
1.5	0.999997	2.5	0.999915	3.7	0.999915	1.5	0.739514	4.5	0.999153	1.5	0.741955
1.6	0.999997	2.6	0.999915	3.8	0.999915	1.6	0.752651	4.6	0.999993	1.6	0.756164
1.7	0.999997	2.7	0.999915	3.9	0.999915	1.7	0.763389	4.7	0.999999	1.7	0.770178
1.8	0.999997	2.8	0.999915	4.0	0.999915	1.8	0.774229	4.8	0.999999	1.8	0.780166
0.0	1.000000	1.0	0.999915	2.2	0.999915	0.0	0.515000	3.0	0.821246	0.0	0.800710
0.1	0.999997	1.1	0.999915	2.3	0.999915	0.1	0.520075	3.1	0.800095	0.1	0.800449
0.2	0.999997	1.2	0.999915	2.4	0.999915	0.2	0.555160	3.2	0.872326	0.2	0.800158
0.3	0.999997	1.3	0.999915	2.5	0.999915	0.3	0.560099	3.3	0.891081	0.3	0.891043
0.4	0.999997	1.4	0.999915	2.6	0.999915	0.4	0.576361	3.4	0.890236	0.4	0.895518
0.5	0.999997	1.5	0.999915	2.7	0.999915	0.5	0.580850	3.5	0.893652	0.5	0.899177
0.6	0.999997	1.6	0.999915	2.8	0.999915	0.6	0.602876	3.6	0.915178	0.6	0.768071
0.7	0.999997	1.7	0.999915	2.9	0.999915	0.7	0.624897	3.7	0.933178	0.7	0.708652
0.8	0.999997	1.8	0.999915	3.0	0.999915	0.8	0.647610	3.8	0.956087	0.8	0.710068
0.9	0.999997	1.9	0.999915	3.1	0.999915	0.9	0.660056	3.9	0.982326	0.9	0.713660
1.0	0.999997	2.0	0.999915	3.2	0.999915	1.0	0.671591	4.0	0.987707	1.0	0.717250
1.1	0.999997	2.1	0.999915	3.3	0.999915	1.1	0.683330	4.1	0.991200	1.1	0.720837
1.2	0.999997	2.2	0.999915	3.4	0.999915	1.2	0.697606	4.2	0.993701	1.2	0.724570
1.3	0.999997	2.3	0.999915	3.5	0.999915	1.3	0.711337	4.3	0.996337	1.3	0.731495
1.4	0.999997	2.4	0.999915	3.6	0.999915	1.4	0.725361	4.4	0.998306	1.4	0.734969
1.5	0.999997	2.5	0.999915	3.7	0.999915	1.5	0.739514	4.5	0.999153	1.5	0.741955
1.6	0.999997	2.6	0.999915	3.8	0.999915	1.6	0.752651	4.6	0.999993	1.6	0.756164
1.7	0.999997	2.7	0.999915	3.9	0.999915	1.7	0.763389	4.7	0.999999	1.7	0.770178
1.8	0.999997	2.8	0.999915	4.0	0.999915	1.8	0.774229	4.8	0.999999	1.8	0.780166
0.0	1.000000	1.0	0.999915	2.2	0.999915	0.0	0.515000	3.0	0.821246	0.0	0.800710
0.1	0.999997	1.1	0.999915	2.3	0.999915	0.1	0.520075	3.1	0.800095	0.1	0.800449
0.2	0.999997	1.2	0.999915	2.4	0.999915	0.2	0.555160	3.2	0.872326	0.2	0.800158
0.3	0.999997	1.3	0.999915	2.5	0.999915	0.3	0.560099	3.3	0.891081	0.3	0.891043
0.4	0.999997	1.4	0.999915	2.6	0.999915	0.4	0.576361	3.4	0.890236	0.4	0.895518
0.5	0.999997	1.5	0.999915	2.7	0.999915	0.5	0.580850	3.5	0.893652	0.5	0.899177
0.6	0.999997	1.6	0.999915	2.8	0.999915	0.6	0.602876	3.6	0.915178	0.6	0.768071
0.7	0.999997	1.7	0.999915	2.9	0.999915	0.7	0.624897	3.7	0.933178	0.7	0.708652
0.8	0.999997	1.8	0.999915	3.0	0.999915	0.8	0.647610	3.8	0.956087	0.8	0.710068
0.9	0.999997	1.									

D/M/6 COF OF NUMBER IN SYSTEM

STATE	I	P(I=1)	P(I<=1)	STATE	I	P(I=1)	P(I<=1)	STATE	I	P(I=1)	P(I<=1)	STATE	I	P(I=1)	P(I<=1)	STATE	I	P(I=1)	P(I<=1)	STATE	I	P(I=1)	P(I<=1)				
BRO=10																											
0 .958163	0 .668163	6 .170990E-11	0 .999999	0 .102683E-02	0 .000102	10 .139929E-02	0 .998679	0 .200121E-08	0 .000220	56 .487196E-02	0 .882249	0 .380365E-03	0 .000398	58 .489251E-02	0 .891619	0 .135602E-03	0 .014567	15 .597277E-03	0 .999279	1 .238952E-02	0 .002978	60 .519262E-02	0 .899875				
2 .647859E-01	0 .998103	8 .362924E-20	0 .999999	2 .650882E-01	0 .079657	16 .327241E-01	0 .999506	2 .298052E-02	0 .002978	62 .381597E-02	0 .997673	3 .160195	0 .585156	17 .108585E-01	0 .999785	3 .968509E-02	0 .012663	62 .381597E-02	0 .997673	4 .224119	0 .570203	18 .974119E-01	0 .999972	4 .224119E-02	0 .012663	64 .328811E-02	0 .997169
3 .168076E-02	0 .999991	9 .367271E-20	0 .999999	4 .224119	0 .570203	19 .511500E-00	0 .999915	5 .224119E-02	0 .012663	64 .328811E-02	0 .997169	5 .218862	0 .691928	20 .269589E-00	0 .999966	6 .169887E-01	0 .106021	65 .328811E-02	0 .997169	7 .263772E-01	0 .908291	21 .158E-19E	0 .999980	7 .355191E-01	0 .161580	70 .276164E-02	0 .933267
6 .872076E-05	0 .999999	10 .361760E-20	0 .999999	8 .161721E-02	0 .989961	22 .863258E-05	0 .999980	8 .341079E-01	0 .175648	75 .225510E-02	0 .945499	5 .892477E-08	0 .999999	11 .365994E-23	0 .999999	9 .122736E-01	0 .208690	85 .184131E-02	0 .955495	9 .22736E-01	0 .208690	85 .184131E-02	0 .955495				
5 .892477E-08	0 .999999	12 .254649E-18	0 .999999	10 .170995E-05	1 .000000	13 .1604075E-20	1 .000000	10 .124051E-02	0 .985104	28 .256897E-05	0 .999999	10 .124051E-02	0 .985104	11 .124051E-02	0 .999997												
BRO=20																											
0 .198240	0 .0198240	7 .120988E-07	1 .000000	0 .120451E-02	0 .985104	28 .256897E-05	0 .999999	0 .120451E-02	0 .985104	10 .124051E-02	0 .999999	10 .124051E-02	0 .999999	11 .124051E-02	0 .999997												
1 .072351	0 .668151	8 .671350E-10	1 .000000	2 .273826	0 .951972	9 .607952E-12	1 .000000	2 .2636279E-02	0 .995565	26 .766985E-06	0 .999998	2 .2636279E-02	0 .995565	23 .267018E-02	0 .999998												
3 .537715E-01	0 .955179	10 .821604E-18	1 .000000	6 .611862E-02	0 .999967	11 .205900E-16	1 .000000	11 .207481E-02	0 .997958	30 .677990E-07	0 .999999	11 .207481E-02	0 .997958														
5 .611862E-02	0 .999967	12 .205900E-16	1 .000000	5 .137115E-02	0 .999999	12 .230462E-16	0 .999999	5 .137115E-02	0 .999999	12 .230462E-16	0 .999999	5 .137115E-02	0 .999999														
5 .137115E-02	0 .999999	12 .230462E-16	0 .999999	5 .137115E-02	0 .999999	12 .230462E-16	0 .999999	5 .137115E-02	0 .999999	12 .230462E-16	0 .999999	5 .137115E-02	0 .999999														
BRO=30																											
0 .1207612E-01	0 .977951	8 .293617E-05	0 .999999	1 .1207612	0 .936703	8 .261801E-07	0 .999999	1 .1207612	0 .936703	16 .190E-16E	0 .999740	1 .1207612	0 .936703	1 .1207612	0 .936703	1 .1207612	0 .936703	1 .1207612	0 .936703	1 .1207612	0 .936703	1 .1207612	0 .936703	1 .1207612	0 .936703		
2 .1207612	0 .936703	8 .261801E-07	0 .999999	2 .1207612	0 .936703	16 .190E-16E	0 .999740	2 .1207612	0 .936703	16 .190E-16E	0 .999740	2 .1207612	0 .936703	2 .1207612	0 .936703	2 .1207612	0 .936703	2 .1207612	0 .936703	2 .1207612	0 .936703	2 .1207612	0 .936703	2 .1207612	0 .936703		
3 .1207612	0 .936703	10 .774775	0 .999999	3 .1207612	0 .936703	10 .774775	0 .999999	3 .1207612	0 .936703	10 .774775	0 .999999	3 .1207612	0 .936703	3 .1207612	0 .936703	3 .1207612	0 .936703	3 .1207612	0 .936703	3 .1207612	0 .936703	3 .1207612	0 .936703	3 .1207612	0 .936703		
4 .1207612	0 .936703	10 .774775	0 .999999	4 .1207612	0 .936703	10 .774775	0 .999999	4 .1207612	0 .936703	10 .774775	0 .999999	4 .1207612	0 .936703	4 .1207612	0 .936703	4 .1207612	0 .936703	4 .1207612	0 .936703	4 .1207612	0 .936703	4 .1207612	0 .936703	4 .1207612	0 .936703		
5 .1207612	0 .936703	10 .774775	0 .999999	5 .1207612	0 .936703	10 .774775	0 .999999	5 .1207612	0 .936703	10 .774775	0 .999999	5 .1207612	0 .936703	5 .1207612	0 .936703	5 .1207612	0 .936703	5 .1207612	0 .936703	5 .1207612	0 .936703	5 .1207612	0 .936703	5 .1207612	0 .936703		
6 .1207612	0 .936703	10 .774775	0 .999999	6 .1207612	0 .936703	10 .774775	0 .999999	6 .1207612	0 .936703	10 .774775	0 .999999	6 .1207612	0 .936703	6 .1207612	0 .936703	6 .1207612	0 .936703	6 .1207612	0 .936703	6 .1207612	0 .936703	6 .1207612	0 .936703	6 .1207612	0 .936703		
7 .1207612	0 .936703	10 .774775	0 .999999	7 .1207612	0 .936703	10 .774775	0 .999999	7 .1207612	0 .936703	10 .774775	0 .999999	7 .1207612	0 .936703	7 .1207612	0 .936703	7 .1207612	0 .936703	7 .1207612	0 .936703	7 .1207612	0 .936703	7 .1207612	0 .936703	7 .1207612	0 .936703		
8 .1207612	0 .936703	10 .774775	0 .999999	8 .1207612	0 .936703	10 .774775	0 .999999	8 .1207612	0 .936703	10 .774775	0 .999999	8 .1207612	0 .936703	8 .1207612	0 .936703	8 .1207612	0 .936703	8 .1207612	0 .936703	8 .1207612	0 .936703	8 .1207612	0 .936703	8 .1207612	0 .936703		
9 .1207612	0 .936703	10 .774775	0 .999999	9 .1207612	0 .936703	10 .774775	0 .999999	9 .1207612	0 .936703	10 .774775	0 .999999	9 .1207612	0 .936703	9 .1207612	0 .936703	9 .1207612	0 .936703	9 .1207612	0 .936703	9 .1207612	0 .936703	9 .1207612	0 .936703	9 .1207612	0 .936703		
10 .1207612	0 .936703	10 .774775	0 .999999	10 .1207612	0 .936703	10 .774775	0 .999999	10 .1207612	0 .936703	10 .774775	0 .999999	10 .1207612	0 .936703	10 .1207612	0 .936703	10 .1207612	0 .936703	10 .1207612	0 .936703	10 .1207612	0 .936703	10 .1207612	0 .936703	10 .1207612	0 .936703		
11 .1207612	0 .936703	10 .774775	0 .999999	11 .1207612	0 .936703	10 .774775	0 .999999	11 .1207612	0 .936703	10 .774775	0 .999999	11 .1207612	0 .936703	11 .1207612	0 .936703	11 .1207612	0 .936703	11 .1207612	0 .936703	11 .1207612	0 .936703	11 .1207612	0 .936703	11 .1207612	0 .936703		
12 .1207612	0 .936703	10 .774775	0 .999999	12 .1207612	0 .936703	10 .774775	0 .999999	12 .1207612	0 .936703	10 .774775	0 .999999	12 .1207612	0 .936703	12 .1207612	0 .936703	12 .1207612	0 .936703	12 .1207612	0 .936703	12 .1207612	0 .936703	12 .1207612	0 .936703	12 .1207612	0 .936703		
BRO=40																											
0 .1207612	0 .936703	10 .774775	0 .999999	0 .1207612	0 .936703	10 .774775	0 .999999	0 .1207612	0 .936703	10 .774775	0 .999999	0 .1207612	0 .936703	0 .1207612	0 .936703	0 .1207612	0 .936703	0 .1207612	0 .936703	0 .1207612	0 .936703	0 .1207612	0 .936703	0 .1207612	0 .936703		
1 .1207612	0 .936703	10 .774775	0 .999999	2 .1207612	0 .936703	10 .774775	0 .999999	3 .1207612	0 .936703	10 .774775	0 .999999	4 .1207612	0 .936703	5 .1207612	0 .936703	6 .1207612	0 .936703	7 .1207612	0 .936703	8 .1207612	0 .936703	9 .1207612	0 .936703	10 .1207612	0 .936703		
2 .1207612	0 .936703	10 .774775	0 .999999	3 .1207612	0 .936703	10 .774775	0 .999999	4 .1207612	0 .936703	5 .1207612	0 .936703	6 .1207612	0 .936703	7 .1207612	0 .936703	8 .1207612	0 .936703	9 .1207612	0 .936703	10 .1207612	0 .936703	11 .1207612	0 .936703				
3 .1207612	0 .936703	10 .774775	0 .999999	4 .1207612	0 .936703	5 .1207612	0 .936703	6 .1207612	0 .936703	7 .1207612	0 .936703	8 .1207612	0 .936703	9 .1207612	0 .936703	10 .1207612	0 .936703	11 .1207612	0 .936703	12 .1207612	0 .936703	13 .1207612	0 .936703				
4 .1207612																											

D/M/6 COF OF WAITING TIME IN THE QUEUE

TIME	T	P(WT>T)	TIME	T	P(WT>T)	TIME	T	P(WT>T)	TIME	T	P(WT>T)	TIME	T	P(WT>T)
880-10														
0.0	1.000000		0.0	0.910822	2.1	0.987392	0.0	0.587291	3.0	0.932999	0.0	0.887792	22.0	0.626123
0.1	0.999998		0.1	0.910808	2.2	0.986516	0.1	0.582270	3.5	0.859556	0.1	0.891683	24.0	0.655263
0.2	0.999997		0.2	0.925691	2.3	0.999539	0.2	0.576667	4.0	0.881175	0.2	0.895150	26.0	0.682095
0.3	0.999996		0.3	0.938380	2.5	0.991221	0.3	0.590587	4.5	0.899688	0.3	0.898819	28.0	0.706855
0.4	0.999995		0.4	0.940337	2.6	0.992899	0.4	0.609499	5.0	0.910984	0.4	0.102466	30.0	0.729506
0.5	0.999994		0.5	0.942184	2.7	0.993719	0.5	0.617069	5.5	0.930117	0.5	0.106997	32.0	0.750700
0.6	0.999993		0.6	0.943930	2.8	0.994811	0.6	0.624639	6.0	0.940119	0.6	0.110520	34.0	0.770000
0.7	0.999992		0.7	0.945677	2.9	0.995559	0.7	0.631838	6.5	0.948600	0.7	0.113316	36.0	0.788555
0.8	0.999991		0.8	0.957557	3.0	0.996266	0.8	0.645008	7.0	0.957570	0.8	0.116991	38.0	0.809563
0.9	0.999990		0.9	0.961381	3.0	0.995559	0.9	0.646508	7.0	0.940016	0.9	0.120877	40.0	0.819700
0.1	0.999989		0.1	0.964747	3.5	0.996588	1.0	0.676020	11.0	0.908556	1.0	0.127568	42.0	0.838621
0.2	0.999988		0.2	0.967929	4.0	0.978681	1.1	0.686673	12.0	0.991810	1.1	0.132710	44.0	0.858763
0.3	0.999987		0.3	0.970762	4.0	0.995669	1.2	0.700975	13.0	0.998138	1.2	0.134667	46.0	0.878698
0.4	0.999986		0.4	0.973522	7.0	0.998678	1.3	0.716556	15.0	0.996966	1.3	0.138127	48.0	0.897652
0.5	0.999985		0.5	0.976990	8.0	0.999449	1.4	0.727509	16.0	0.997850	1.4	0.141618	50.0	0.918100
0.6	0.999984		0.6	0.981483	9.0	0.999880	1.5	0.743625	16.0	0.998980	1.5	0.145087	52.0	0.934596
0.7	0.999983		0.7	0.983716	10.0	0.999952	1.6	0.752055	16.0	0.999211	1.6	0.151991	54.0	0.946557
0.8	0.999982		0.8	0.986801	11.0	0.999957	1.7	0.768286	20.0	0.999636	1.7	0.157222	56.0	0.958196
0.9	0.999981		0.9	0.989186	12.0	0.999959	1.8	0.782925	22.0	0.999912	1.8	0.158830	58.0	0.970199
0.1	0.999980		0.1	0.992121	2.0	0.999981	2.1	0.775718	24.0	0.999932	2.1	0.162743	60.0	0.978659
0.2	0.999979		0.2	0.995988	2.0	0.999981	2.2	0.783993	26.0	0.999924	2.2	0.165632	62.0	0.976268
0.3	0.999978		0.3	0.999316	2.0	0.999981	2.3	0.790225	28.0	0.999911	2.3	0.169008	64.0	0.986119
0.4	0.999977		0.4	0.999650	2.3	0.979841	2.4	0.797123	30.0	0.999900	2.4	0.172371	66.0	0.988175
0.5	0.999976		0.5	0.999830	2.0	0.976643	2.5	0.803798	32.0	0.999900	2.5	0.175719	68.0	0.989558
0.6	0.999975		0.6	0.999723	2.5	0.978189	2.6	0.814245	36.0	0.999905	2.6	0.178474	70.0	0.992941
0.7	0.999974		0.7	0.999581	2.0	0.976127	2.7	0.818649	36.0	0.999907	2.7	0.182376	72.0	0.996870
0.8	0.999973		0.8	0.999581	2.7	0.981270	2.8	0.827519	36.0	0.999907	2.8	0.185684	74.0	0.996870
0.9	0.999972		0.9	0.999581	2.8	0.982663	2.9	0.828355	40.0	0.999909	2.9	0.186979	76.0	0.997766
0.1	0.999971		0.1	0.999581	2.9	0.983916	0.0	0.590545	2.0	0.999911	3.0	0.192260	76.0	0.999016
0.2	0.999970		0.2	0.999581	3.0	0.989016	0.1	0.592013	3.5	0.999911	3.1	0.208469	78.0	0.999671
0.3	0.999969		0.3	0.999581	3.0	0.995209	0.2	0.596633	5.0	0.792623	0.3	0.228353	80.0	0.999382
0.4	0.999968		0.4	0.999581	3.0	0.999559	0.1	0.606633	8.0	0.828556	0.4	0.255171	82.0	0.997225
0.5	0.999967		0.5	0.999581	3.0	0.999959	0.2	0.619641	7.0	0.846449	0.5	0.287655	84.0	0.999817
0.6	0.999966		0.6	0.999581	3.0	0.999959	0.3	0.630982	8.0	0.890947	0.6	0.313183	86.0	0.999773
0.7	0.999965		0.7	0.999581	3.0	0.999959	0.4	0.643060	9.0	0.912005	0.5	0.346676	88.0	0.999966
0.8	0.999964		0.8	0.999581	3.0	0.999959	0.5	0.654983	10.0	0.920917	0.6	0.377719	90.0	0.999959
0.9	0.999963		0.9	0.999581	3.0	0.999959	1.0	0.666959	11.0	0.942700	1.1	0.391839	92.0	0.999966
0.1	0.999962		0.1	0.999581	3.0	0.999959	1.1	0.678620	12.0	0.953771	1.2	0.419206	94.0	0.999966
0.2	0.999961		0.2	0.999581	3.0	0.999959	1.2	0.689565	13.0	0.964787	1.3	0.447286	96.0	0.999966
0.3	0.999960		0.3	0.999581	3.0	0.999959	1.3	0.699718	14.0	0.969901	1.4	0.472881	98.0	0.999966
0.4	0.999959		0.4	0.999581	3.0	0.999959	1.4	0.709334	15.0	0.975713	1.5	0.503239	100.0	0.999966
0.5	0.999958		0.5	0.999581	3.0	0.999959	1.5	0.720224	16.0	0.980403	1.6	0.523159	102.0	0.999966
0.6	0.999957		0.6	0.999581	3.0	0.999959	1.6	0.733892	17.0	0.984187	1.7	0.542105	104.0	0.999966
0.7	0.999956		0.7	0.999581	3.0	0.999959	1.7	0.749059	18.0	0.987240	1.8	0.561016	106.0	0.999966
0.8	0.999955		0.8	0.999581	3.0	0.999959	1.8	0.760113	19.0	0.991842	1.9	0.577760	108.0	0.999966
0.9	0.999954		0.9	0.999581	3.0	0.999959	1.9	0.765982	22.0	0.994588	20.0	0.594588	110.0	0.999966
0.1	0.999953		0.1	0.999581	3.0	0.999959	2.0	0.775718	24.0	0.999911	25.0	0.612749	112.0	0.999966
0.2	0.999952		0.2	0.999581	3.0	0.999959	2.1	0.786565	26.0	0.999707	26.0	0.630296	114.0	0.999966
0.3	0.999951		0.3	0.999581	3.0	0.999959	2.2	0.796340	28.0	0.999926	27.0	0.648296	116.0	0.999966
0.4	0.999950		0.4	0.999581	3.0	0.999959	2.3	0.806126	32.0	0.999936	28.0	0.665202	118.0	0.999966
0.5	0.999949		0.5	0.999581	3.0	0.999959	2.4	0.816048	34.0	0.999936	29.0	0.682120	120.0	0.999966
0.6	0.999948		0.6	0.999581	3.0	0.999959	2.5	0.826081	36.0	0.999936	30.0	0.700041	122.0	0.999966
0.7	0.999947		0.7	0.999581	3.0	0.999959	2.6	0.836169	38.0	0.999936	31.0	0.717960	124.0	0.999966
0.8	0.999946		0.8	0.999581	3.0	0.999959	2.7	0.846256	40.0	0.999936	32.0	0.735879	126.0	0.999966
0.9	0.999945		0.9	0.999581	3.0	0.999959	2.8	0.856343	42.0	0.999936	33.0	0.753798	128.0	0.999966
0.1	0.999944		0.1	0.999581	3.0	0.999959	2.9	0.866430	44.0	0.999936	34.0	0.771717	130.0	0.999966
0.2	0.999943		0.2	0.999581	3.0	0.999959	3.0	0.876517	46.0	0.999936	35.0	0.789637	132.0	0.999966
0.3	0.999942		0.3	0.999581	3.0	0.999959	3.1	0.886604	48.0	0.999936	36.0	0.807557	134.0	0.999966
0.4	0.999941		0.4	0.999581	3.0	0.999959	3.2	0.896691	50.0	0.999936	37.0	0.825476	136.0	0.999966
0.5	0.999940		0.5	0.999581	3.0	0.999959	3.3	0.906777	52.0	0.999936	38.0	0.843395	138.0	0.999966
0.6	0.999939		0.6	0.999581	3.0	0.999959	3.4	0.916864	54.0	0.999936	39.0	0.861313	140.0	0.999966
0.7	0.999938		0.7	0.999581	3.0	0.999959	3.5	0.926951	56.0	0.999936	40.0	0.879236	142.0	0.999966
0.8	0.999937		0.8	0.999581	3.0	0.999959	3.6	0.937038	58.0	0.999936	41.0	0.897155	144.0	0.999966
0.9	0.999936		0.9	0.999581	3.0	0.999959	3.7	0.947125	60.0	0.999936	42.0	0.915074	146.0	0.999966
0.1	0.999935		0.1	0.999581	3.0	0.999959	3.8	0.957212	62.0	0.999936	43.0	0.932993	148.0	0.999966
0.2	0.999934		0.2	0.999581	3.0	0.999959	3.9	0.967300	64.0	0.999936	44.0	0.950912	150.0	0.999966
0.3	0.999933		0.3	0.999581	3.0	0.999959	4.0	0.977387	66.0	0.999936	45.0	0.968831	152.0	0.999966
0.4	0.999932		0.4</td											

D/M/7 CDF OF NUMBER IN SYSTEM

STATE	R(V-T)	R(V-C)	STATE	R(V-T)	R(V-C)	STATE	R(V-T)	R(V-C)	STATE	R(V-T)	R(V-C)	STATE	R(V-T)	R(V-C)				
BPM=1.0																		
0 .405881	0 .005881	6 .017742E-10	1 .000000	0 .115291E-03	0 .000115	10 .175650E-02	0 .997000	0 .065050E-05	0 .000000	56 .503750E-02	0 .878267	0 .90762E-06	0 .000104	58 .064527E-02	0 .887720			
1 .492626	0 .005857	7 .132918E-13	1 .000000	1 .302220E-01	0 .035579	15 .558530E-03	0 .999307	0 .062009E-03	0 .000066	60 .028342E-02	0 .896473	0 .07062E-06	0 .000062	62 .039427E-02	0 .896326			
2 .751516E-01	0 .995659	8 .003728E-10	1 .000000	3 .946637E-01	0 .130946	17 .205159E-03	0 .999555	0 .073037E-01	0 .017077	64 .049197E-02	0 .911511	0 .120343E-01	0 .017077	66 .035852E-02	0 .910827			
1 .249470E-02	0 .999953	9 .274212E-22	1 .000000	6 .180345E-01	0 .310451	19 .155418E-03	0 .999904	0 .140202E-01	0 .017077	68 .049197E-02	0 .910827	0 .120343E-01	0 .017077	70 .035852E-02	0 .910827			
0 .462806E-08	1 .000000	10 .123535E-20	1 .000000	5 .125101E-01	0 .645152	20 .663075E-04	0 .999962	0 .137030E-01	0 .017077	74 .049197E-02	0 .910827	0 .120343E-01	0 .017077	76 .035852E-02	0 .910827			
5 .123689E-08	1 .000000	11 .356517E-31	1 .000000	6 .122069	0 .693178	21 .252726E-08	0 .999967	0 .137030E-01	0 .017077	78 .049197E-02	0 .910827	0 .120343E-01	0 .017077	80 .035852E-02	0 .910827			
BPM=2.0																		
0 .182450	0 .182450	7 .188415E-06	1 .000000	6 .666177E-01	0 .956155	23 .752726E-05	0 .999998	0 .130661E-01	0 .016193	80 .190190E-02	0 .953393	0 .125205E-01	0 .016193	82 .155458E-02	0 .952826			
1 .227629	0 .571279	8 .131146E-08	1 .000000	10 .192623E-01	0 .976175	24 .610714E-05	0 .999992	0 .125205E-01	0 .016193	86 .190190E-02	0 .953393	0 .112268E-01	0 .016252	88 .026933E-02	0 .949320			
2 .325994	0 .897175	9 .917210E-11	1 .000000	11 .001817E-01	0 .987008	25 .663075E-04	0 .999995	0 .129887E-01	0 .016026	92 .209877E-01	0 .275230	0 .103642E-01	0 .016026	95 .103642E-02	0 .974949			
3 .013404E-01	0 .508519	10 .423958E-13	1 .000000	12 .590200E-02	0 .992911	26 .122328E-05	0 .999996	0 .132016E-01	0 .016026	98 .207962E-01	0 .304026	0 .100750E-01	0 .016026	100 .000000E-02	0 .983237			
6 .1607537E-01	0 .399393	11 .446550E-15	1 .000000	13 .322016E-02	0 .996131	30 .303835E-04	0 .999997	0 .127652E-01	0 .016026	102 .276527E-01	0 .331616	0 .669084E-01	0 .016026	104 .06190E-03	0 .986362			
5 .590376E-02	0 .999985	12 .361533E-17	1 .000000	BPM=4.0														
6 .151730E-08	1 .000000	13 .217736E-19	1 .000000	BPM=6.0														
BPM=10															BPM=7.5			
0 .405881	0 .005881	6 .017742E-10	1 .000000	0 .115291E-03	0 .000115	10 .175650E-02	0 .997000	0 .065050E-05	0 .000000	56 .503750E-02	0 .878267	0 .90762E-06	0 .000104	58 .064527E-02	0 .887720			
1 .492626	0 .005857	7 .132918E-13	1 .000000	1 .302220E-01	0 .035579	15 .558530E-03	0 .999307	0 .062009E-03	0 .000066	60 .028342E-02	0 .896473	0 .120343E-01	0 .017077	62 .039427E-02	0 .896326			
2 .751516E-01	0 .995659	8 .003728E-10	1 .000000	3 .662657E-01	0 .089189	17 .130312E-02	0 .997726	0 .125205E-02	0 .016026	68 .255703E-01	0 .455304	0 .207439E-01	0 .016026	70 .035852E-02	0 .910827			
3 .270987	0 .665598	10 .551975E-08	0 .999999	6 .161607	0 .230770	18 .0084272E-03	0 .995871	0 .129887E-01	0 .016026	72 .209877E-01	0 .275230	0 .103642E-01	0 .016026	74 .103642E-02	0 .974949			
4 .240794	0 .906706	11 .225651E-09	0 .999999	5 .198844	0 .429640	19 .510728E-03	0 .999101	0 .127652E-01	0 .016026	76 .190190E-01	0 .304026	0 .100750E-01	0 .016026	78 .000000E-02	0 .983237			
6 .780993E-01	0 .508160	12 .922312E-11	0 .999999	6 .135102	0 .624742	20 .663075E-04	0 .999935	0 .125205E-01	0 .016026	80 .190190E-01	0 .331616	0 .669084E-01	0 .016026	82 .06190E-03	0 .986362			
5 .1373151E-01	0 .998581	13 .377145E-12	0 .999999	7 .133680	0 .76102	21 .130818E-04	0 .999776	0 .129887E-01	0 .016026	84 .163243E-01	0 .421136	0 .205570E-01	0 .016026	86 .045435E-02	0 .990799			
6 .137668E-02	0 .999985	14 .130815E-13	0 .999999	8 .550175	0 .906757	22 .028816E-04	0 .999659	0 .127652E-01	0 .016026	88 .163243E-01	0 .455304	0 .205570E-01	0 .016026	90 .045435E-02	0 .990799			
7 .807789E-02	0 .999985	15 .630245E-15	0 .999999	10 .461866	0 .981198	24 .521018E-04	0 .999911	0 .125205E-01	0 .016026	94 .163243E-01	0 .485664	0 .205570E-01	0 .016026	96 .045435E-02	0 .990799			
BPM=15															BPM=8.0			
0 .405881	0 .016160	10 .205676E-05	0 .999999	11 .191217E-03	0 .000115	14 .540633E-02	0 .990488	0 .065050E-05	0 .000000	56 .503750E-02	0 .878267	0 .125205E-01	0 .016026	58 .064527E-02	0 .887720			
1 .119121	0 .135581	11 .205693E-05	0 .999999	12 .291522E-02	0 .023213	16 .213045E-02	0 .996383	0 .129887E-01	0 .016026	60 .255703E-01	0 .455304	0 .207439E-01	0 .016026	62 .035852E-02	0 .910827			
2 .280273	0 .678293	12 .205644E-07	0 .999999	13 .326443E-02	0 .099999	17 .130312E-02	0 .999101	0 .127652E-01	0 .016026	66 .208194E-01	0 .485664	0 .205570E-01	0 .016026	68 .045435E-02	0 .990799			
3 .312403	0 .730777	14 .304644E-09	0 .999999	14 .326443E-02	0 .099999	18 .130312E-02	0 .999101	0 .125205E-01	0 .016026	72 .209877E-01	0 .516162	0 .205570E-01	0 .016026	74 .045435E-02	0 .990799			
4 .106517	0 .976176	16 .328200E-11	0 .999999	15 .326443E-02	0 .099999	19 .130312E-02	0 .999101	0 .123016E-01	0 .016026	78 .209877E-01	0 .546162	0 .205570E-01	0 .016026	80 .045435E-02	0 .990799			
5 .111927E-01	0 .993337	16 .325175E-11	0 .999999	16 .326443E-02	0 .099999	20 .130312E-02	0 .999101	0 .120343E-01	0 .016026	84 .163243E-01	0 .576162	0 .205570E-01	0 .016026	86 .045435E-02	0 .990799			
6 .200175E-02	0 .999985	17 .307404E-13	0 .999999	17 .326443E-02	0 .099999	21 .130312E-02	0 .999101	0 .125205E-01	0 .016026	90 .163243E-01	0 .606162	0 .205570E-01	0 .016026	92 .045435E-02	0 .990799			
7 .214895E-03	0 .999973	18 .426508E-13	0 .999999	19 .326443E-02	0 .099999	22 .130312E-02	0 .999101	0 .123016E-01	0 .016026	98 .163243E-01	0 .636162	0 .205570E-01	0 .016026	100 .000000E-02	0 .983237			
8 .230703E-04	0 .999996	20 .469120E-14	0 .999999	21 .326443E-02	0 .099999	23 .130312E-02	0 .999101	0 .120343E-01	0 .016026	106 .163243E-01	0 .666162	0 .205570E-01	0 .016026	108 .045435E-02	0 .990799			
BPM=20															BPM=100			
0 .146598E-01	0 .016160	10 .205676E-05	0 .999999	11 .325157E-03	0 .000115	16 .360988E-02	0 .990488	0 .065050E-05	0 .000000	56 .503750E-02	0 .878267	0 .125205E-01	0 .016026	58 .064527E-02	0 .887720			
1 .206517	0 .005786	12 .478268E-08	0 .999999	12 .320079E-03	0 .000115	17 .350159E-02	0 .990488	0 .062009E-03	0 .000066	60 .028342E-02	0 .896473	0 .131320E-01	0 .016026	62 .039427E-02	0 .896326			
2 .178628	0 .232232	13 .922323E-06	0 .999999	13 .320079E-03	0 .000115	18 .340159E-02	0 .990488	0 .060864E-03	0 .000066	68 .163243E-01	0 .516162	0 .205570E-01	0 .016026	70 .045435E-02	0 .990799			
3 .228791	0 .516115	14 .197325E-08	0 .999999	14 .320079E-03	0 .000115	19 .330159E-02	0 .990488	0 .058764E-03	0 .000066	76 .163243E-01	0 .546162	0 .205570E-01	0 .016026	78 .045435E-02	0 .990799			
4 .228791	0 .561216	15 .195823E-08	0 .999999	15 .320079E-03	0 .000115	20 .320159E-02	0 .990488	0 .057664E-03	0 .000066	84 .163243E-01	0 .576162	0 .205570E-01	0 .016026	86 .045435E-02	0 .990799			
5 .464015E-01	0 .963232	16 .195823E-07	0 .999999	16 .320079E-03	0 .000115	21 .310159E-02	0 .990488	0 .056564E-03	0 .000066	92 .163243E-01	0 .606162	0 .205570E-01	0 .016026	94 .045435E-02	0 .990799			
6 .271916E-01	0 .993007	16 .195823E-07	0 .999999	17 .320079E-03	0 .000115	22 .300159E-02	0 .990488	0 .055464E-03	0 .000066	100 .163243E-01	0 .636162	0 .205570E-01	0 .016026	102 .045435E-02	0 .990799			
7 .209135E-02	0 .997458	19 .265120E-08	0 .999999	18 .320079E-03	0 .000115	23 .290159E-02	0 .990488	0 .054364E-03	0 .000066	108 .163243E-01	0 .666162	0 .205570E-01	0 .016026	110 .045435E-02	0 .990799			
8 .180593E-02	0 .999346	20 .160170E-08	0 .999999	19 .320079E-03	0 .000115	24 .280159E-02	0 .990488	0 .053264E-03	0 .000066	116 .163243E-01	0 .696162	0 .205570E-01	0 .016026	118 .045435E-02	0 .990799			
9 .180593E-02	0 .999346	21 .160170E-08	0 .999999	20 .320079E-03	0 .000115	25 .270159E-02	0 .990488	0 .052164E-03	0 .000066	124 .163243E								

D/M/7 CDF OF WRITING TIME IN THE QUEUE

TIME	T	P(DTC=T)	TIME	T	P(DTC=T)	TIME	T	P(DTC=T)	TIME	T	P(DTC=T)	TIME	T	P(DTC=T)	TIME	T	P(DTC=T)	TIME	T	P(DTC=T)
880= .10																				
0.0	1.000000		0.0	0.929887	2.1	0.990075	/	0.0	0.576031	3.0	0.991796	/	0.0	0.992620	22.0	0.626770				
0.1	0.999999		0.1	0.935773	2.2	0.990060	/	0.1	0.590766	3.1	0.992689	/	0.1	0.979228	26.0	0.657667				
0.2	0.999999		0.2	0.934659	2.3	0.991766	/	0.2	0.590220	3.2	0.990900	/	0.2	0.971269	28.0	0.679939				
0.3	0.999999		0.3	0.940433	2.4	0.990050	/	0.3	0.590167	3.3	0.990600	/	0.3	0.988310	30.0	0.709933				
0.4	0.999999		0.4	0.941663	2.5	0.993160	/	0.4	0.629860	3.4	0.991777	/	0.4	0.922635	32.0	0.752567				
0.5	0.999999		0.5	0.955790	2.6	0.993777	/	0.5	0.691976	3.5	0.993077	/	0.5	0.91026	34.0	0.771783				
0.6	0.999999		0.6	0.959731	2.7	0.990332	/	0.6	0.565738	3.6	0.992554	/	0.6	0.119663	36.0	0.789558				
0.7	0.999992		0.7	0.963321	2.8	0.998837	/	0.7	0.655138	3.7	0.991723	/	0.7	0.985654	38.0	0.809590				
0.8	0.999992		0.8	0.966591	2.9	0.995290	/	0.8	0.670165	3.8	0.990500	/	0.8	0.267113	40.0	0.829242				
0.9	0.999992		0.9	0.970560	3.0	0.998115	/	0.9	0.670561	3.9	0.990303	/	0.9	0.162266	42.0	0.839599				
0.0	0.999993		1.0	0.972562	3.1	0.998115	/	1.0	0.707053	4.0	0.992463	/	1.0	0.132765	44.0	0.868750				
0.1	0.999993		1.1	0.976752	3.2	0.998160	/	1.1	0.707053	4.1	0.992463	/	1.1	0.132765	46.0	0.859766				
0.2	0.999993		1.2	0.977003	3.3	0.990046	/	1.2	0.716605	4.2	0.994519	/	1.2	0.132770	48.0	0.870628				
0.3	0.999993		1.3	0.979053	3.4	0.999336	/	1.3	0.720601	4.3	0.996777	/	1.3	0.140761	50.0	0.870628				
0.4	0.999993		1.4	0.980020	3.5	0.999740	/	1.4	0.735011	4.4	0.997192	/	1.4	0.166238	52.0	0.880753				
0.5	0.999993		1.5	0.982621	3.6	0.999690	/	1.5	0.763720	4.5	0.997950	/	1.5	0.151189	54.0	0.890753				
0.6	0.999993		1.6	0.984650	3.7	0.999660	/	1.6	0.780561	4.6	0.998561	/	1.6	0.154583	56.0	0.915666				
0.7	0.999993		1.7	0.986501	3.8	0.999590	/	1.7	0.781301	4.7	0.998561	/	1.7	0.154604	58.0	0.916176				
0.8	0.999993		1.8	0.988057	3.9	0.999590	/	1.8	0.788182	4.8	0.998243	/	1.8	0.161610	60.0	0.956765				
0.9	0.999993		1.9	0.989031	4.0	0.999590	/	1.9	0.795895	4.9	0.99872	/	1.9	0.168003	62.0	0.964449				
0.0	0.999751		2.0	0.999932	4.1	0.999990	/	2.0	0.783177	5.0	0.999736	/	2.0	0.161983	65.0	0.971136				
0.1	0.999803		2.1	0.999990	4.2	0.999990	/	2.1	0.790306	5.1	0.999861	/	2.1	0.176024	66.0	0.976822				
0.2	0.999802		2.2	0.999996	4.3	0.999996	/	2.2	0.797728	5.2	0.999929	/	2.2	0.176000	68.0	0.976822				
0.3	0.999802		2.3	0.999996	4.4	0.999996	/	2.3	0.804726	5.3	0.999929	/	2.3	0.176239	70.0	0.988267				
0.4	0.999802		2.4	0.999996	4.5	0.999996	/	2.4	0.810319	5.4	0.999181	/	2.4	0.181564	72.0	0.989525				
0.5	0.999802		2.5	0.999996	4.6	0.999996	/	2.5	0.816556	5.5	0.999990	/	2.5	0.188075	74.0	0.993116				
0.6	0.999802		2.6	0.999996	4.7	0.999996	/	2.6	0.822768	5.6	0.999995	/	2.6	0.188173	76.0	0.993364				
0.7	0.999802		2.7	0.999996	4.8	0.999996	/	2.7	0.828222	5.7	0.999997	/	2.7	0.191458	78.0	0.996896				
0.8	0.999802		2.8	0.999996	4.9	0.999996	/	2.8	0.834063	5.8	0.999997	/	2.8	0.197087	80.0	0.998829				
0.9	0.999802		2.9	0.999996	5.0	0.999996	/	2.9	0.839520	5.9	0.999999	/	2.9	0.197087	82.0	0.999990				
0.0	0.999751		3.0	0.999996	5.1	0.999996	/	3.0	0.846066	6.0	0.999999	/	3.0	0.216082	84.0	0.999990				
0.1	0.999751		3.1	0.999996	5.2	0.999996	/	3.1	0.852329	6.1	0.999999	/	3.1	0.229053	86.0	0.999937				
0.2	0.999751		3.2	0.999996	5.3	0.999996	/	3.2	0.858035	6.2	0.999999	/	3.2	0.235308	88.0	0.999951				
0.3	0.999751		3.3	0.999996	5.4	0.999996	/	3.3	0.864755	6.3	0.999976	/	3.3	0.260452	90.0	0.999727				
0.4	0.999751		3.4	0.999996	5.5	0.999996	/	3.4	0.871203	6.4	0.999762	/	3.4	0.261263	92.0	0.999818				
0.5	0.999751		3.5	0.999996	5.6	0.999996	/	3.5	0.876726	6.5	0.999716	/	3.5	0.260952	94.0	0.999799				
0.6	0.999751		3.6	0.999996	5.7	0.999996	/	3.6	0.882102	6.6	0.999646	/	3.6	0.265168	96.0	0.999946				
0.7	0.999751		3.7	0.999996	5.8	0.999996	/	3.7	0.887821	6.7	0.999502	/	3.7	0.271156	98.0	0.999964				
0.8	0.999751		3.8	0.999996	5.9	0.999996	/	3.8	0.893435	6.8	0.999422	/	3.8	0.281392	100.0	0.999989				
0.9	0.999751		3.9	0.999996	6.0	0.999996	/	3.9	0.898750	6.9	0.999335	/	3.9	0.290392	102.0	0.999984				
0.0	0.999751		4.0	0.999996	6.1	0.999996	/	4.0	0.904280	7.0	0.999106	/	4.0	0.303309	104.0	0.999989				
0.1	0.999751		4.1	0.999996	6.2	0.999996	/	4.1	0.910750	7.1	0.998932	/	4.1	0.316550	106.0	0.999983				
0.2	0.999751		4.2	0.999996	6.3	0.999996	/	4.2	0.917290	7.2	0.998780	/	4.2	0.330450	108.0	0.999989				
0.3	0.999751		4.3	0.999996	6.4	0.999996	/	4.3	0.923730	7.3	0.998636	/	4.3	0.345168	110.0	0.999999				
0.4	0.999751		4.4	0.999996	6.5	0.999996	/	4.4	0.930165	7.4	0.998532	/	4.4	0.357166	112.0	0.999999				
0.5	0.999751		4.5	0.999996	6.6	0.999996	/	4.5	0.936634	7.5	0.998436	/	4.5	0.371166	114.0	0.999999				
0.6	0.999751		4.6	0.999996	6.7	0.999996	/	4.6	0.943135	7.6	0.998336	/	4.6	0.384775	116.0	0.999999				
0.7	0.999751		4.7	0.999996	6.8	0.999996	/	4.7	0.949536	7.7	0.998236	/	4.7	0.398775	118.0	0.999999				
0.8	0.999751		4.8	0.999996	6.9	0.999996	/	4.8	0.955935	7.8	0.998137	/	4.8	0.412775	120.0	0.999999				
0.9	0.999751		4.9	0.999996	7.0	0.999996	/	4.9	0.962375	7.9	0.998037	/	4.9	0.426775	122.0	0.999999				
0.0	0.999751		5.0	0.999996	7.1	0.999996	/	5.0	0.968775	8.0	0.997937	/	5.0	0.440775	124.0	0.999999				
0.1	0.999751		5.1	0.999996	7.2	0.999996	/	5.1	0.975175	8.1	0.997837	/	5.1	0.454775	126.0	0.999999				
0.2	0.999751		5.2	0.999996	7.3	0.999996	/	5.2	0.981573	8.2	0.997737	/	5.2	0.468775	128.0	0.999999				
0.3	0.999751		5.3	0.999996	7.4	0.999996	/	5.3	0.987971	8.3	0.997637	/	5.3	0.482775	130.0	0.999999				
0.4	0.999751		5.4	0.999996	7.5	0.999996	/	5.4	0.994369	8.4	0.997537	/	5.4	0.496775	132.0	0.999999				
0.5	0.999751		5.5	0.999996	7.6	0.999996	/	5.5	0.999767	8.5	0.997437	/	5.5	0.510775	134.0	0.999999				
0.6	0.999751		5.6	0.999996	7.7	0.999996	/	5.6	0.999967	8.6	0.997337	/	5.6	0.524775	136.0	0.999999				
0.7	0.999751		5.7	0.999996	7.8	0.999996	/	5.7	0.999997	8.7	0.997237	/	5.7	0.538775	138.0	0.999999				
0.8	0.999751		5.8	0.999996	7.9	0.999996	/	5.8	0.999997	8.8	0.997137	/	5.8	0.552775	140.0	0.999999				
0.9	0.999751																			

D/M/8 COF OF NUMBER IN SYSTEM

D/M/8 COF OF WAITING TIME IN THE QUEUE

TIME	P(WT<=t)	TIME	P(WT<=t)	TIME	P(WT<=t)	TIME	P(WT<=t)	TIME	P(WT<=t)	TIME	P(WT<=t)	TIME	P(WT<=t)	TIME	P(WT<=t)				
BHO=.10																			
0.0 1.000000		0.0 0.994058	2.1 0.992126	0.0 0.602921	3.0 0.854365	0.0 0.100258	22.0 0.631233	0.1 1.000000		0.1 0.615977	3.5 0.876785	0.1 0.103698	24.0 0.659954	0.2 1.07520	26.0 0.646639				
0.0 0.999999		0.1 0.994065	2.2 0.992220	0.2 0.626605	4.0 0.895754	0.2 0.107520	26.0 0.646639	0.3 0.999999		0.3 0.634982	4.5 0.911002	0.3 0.111135	28.0 0.710061	0.4 0.999999		0.4 0.643237	5.0 0.925386	0.4 0.114731	30.0 0.733380
0.0 1.000000		0.3 0.997726	2.3 0.993667	0.2 0.642605	5.0 0.935386	0.5 0.658059	6.0 0.949686	0.6 0.675709	7.0 0.961766	0.6 0.681261	7.5 0.973236	0.6 0.121881	31.0 0.773236	0.7 0.999999		0.7 0.692532	8.0 0.987233	0.7 0.125433	35.0 0.795952
0.0 0.999997	0.3 0.999997	0.8 0.970900	2.0 0.995504	0.7 0.685700	8.0 0.972632	0.7 0.125433	35.0 0.795952	0.8 0.999997		0.8 0.696112	9.0 0.980010	0.8 0.129972	38.0 0.807233	0.9 0.999997		0.9 0.706102	10.0 0.989577	0.9 0.132496	40.0 0.822247
0.1 0.999999	0.6 0.999999	0.9 0.975857	3.0 0.996602	0.9 0.706102	11.0 0.989577	1.0 0.132496	42.0 0.822247	0.2 0.999999		0.2 0.712627	12.0 0.999562	0.2 0.135902	44.0 0.846658	0.3 0.999999		0.3 0.725110	13.0 0.999562	0.3 0.139502	46.0 0.856992
0.2 0.999999	0.5 0.999999	1.0 0.976009	3.5 0.997663	1.0 0.725110	14.0 0.999562	1.1 0.142988	48.0 0.866882	0.4 0.999999		0.4 0.730153	15.0 0.999557	1.2 0.146494	50.0 0.871237	0.5 0.999999		0.5 0.738381	16.0 0.999557	1.3 0.148451	52.0 0.874039
0.0 0.999997	1.5 0.999997	1.0 0.981863	5.0 0.997974	1.0 0.751304	15.0 0.999765	1.0 0.149905	52.0 0.881098	0.1 0.999997		0.1 0.759526	16.0 0.998118	1.5 0.153348	55.0 0.903238	0.2 0.999997		0.2 0.765600	17.0 0.998650	1.6 0.156460	56.0 0.909993
0.2 0.999995	1.6 0.999995	1.5 0.986212	7.0 0.999919	1.5 0.769526	17.0 0.998650	1.7 0.158460	56.0 0.909993	0.3 0.999995		0.3 0.775079	18.0 0.999500	1.8 0.163580	58.0 0.915547	0.4 0.999995		0.4 0.782671	19.0 0.999500	1.9 0.166494	60.0 0.916592
0.3 0.999995	1.7 0.999995	1.6 0.987841	8.0 0.999568	1.6 0.782671	20.0 0.999505	2.0 0.170335	62.0 0.916592	0.5 0.999995		0.5 0.790927	20.0 0.999766	2.1 0.173691	65.0 0.917127	0.6 0.999995		0.6 0.803233	24.0 0.999931	2.2 0.177035	66.0 0.917686
0.4 0.999995	1.8 0.999995	1.7 0.989053	9.0 0.999794	1.7 0.791304	24.0 0.999931	2.3 0.179363	68.0 0.918095	0.7 0.999995		0.7 0.812013	24.0 0.999964	2.4 0.181371	70.0 0.918591	0.8 0.999995		0.8 0.823053	26.0 0.999964	2.5 0.184988	71.0 0.918990
0.5 0.999995	1.9 0.999995	1.8 0.990700	10.0 0.992266	1.8 0.822013	26.0 0.999964	2.6 0.186560	72.0 0.919286	0.9 0.999995		0.9 0.827061	32.0 0.999981	2.7 0.189273	73.0 0.919662	1.0 0.999995		1.0 0.833526	34.0 0.999981	2.8 0.190273	74.0 0.919962
0.6 0.999995	2.0 0.999995	1.9 0.992150	12.0 0.998771	1.9 0.833526	36.0 0.999981	2.7 0.193000	76.0 0.920307	0.7 0.999995		0.7 0.846868	36.0 0.999981	2.8 0.195869	77.0 0.920607	0.8 0.999995		0.8 0.853549	38.0 0.999981	2.9 0.196812	78.0 0.920907
0.7 0.999995	2.1 0.999995	1.9 0.990599	11.0 0.999599	1.9 0.846868	40.0 0.999981	2.9 0.198429	80.0 0.920907	0.6 0.999995		0.6 0.856170	42.0 0.999981	3.0 0.200062	82.0 0.920907	0.7 0.999995		0.7 0.858339	44.0 0.999981	3.1 0.202000	84.0 0.920907
0.8 0.999995	2.2 0.999995	2.0 0.991355	12.0 0.999999	2.0 0.849416	46.0 0.999981	3.0 0.203904	86.0 0.920907	0.5 0.999995		0.5 0.860705	48.0 0.999981	3.1 0.205904	88.0 0.920907	0.6 0.999995		0.6 0.863549	50.0 0.999981	3.2 0.207904	90.0 0.920907
0.9 0.999995	2.3 0.999995	2.1 0.994831	13.0 0.999288	2.1 0.862020	52.0 0.999981	3.2 0.209904	92.0 0.920907	0.4 0.999995		0.4 0.865513	54.0 0.999981	3.3 0.211904	94.0 0.920907	0.5 0.999995		0.5 0.871203	56.0 0.999981	3.4 0.213904	96.0 0.920907
0.0 0.995678	1.8 0.999735	0.9 0.988311	1.5 0.997288	0.9 0.870915	58.0 0.999500	0.0 0.939437	58.0 0.808256	0.1 0.995678		0.1 0.882981	60.0 0.998550	0.5 0.265350	200.0 0.999729	0.2 0.995678		0.2 0.885303	60.0 0.999550	0.6 0.269539	210.0 0.999819
0.1 0.995678	1.9 0.999735	1.0 0.988311	2.0 0.997288	1.0 0.875158	60.0 0.999550	0.2 0.942983	60.0 0.899850	0.3 0.995678		0.3 0.885303	62.0 0.999550	0.7 0.272564	220.0 0.999819	0.4 0.995678		0.4 0.885303	62.0 0.999550	0.8 0.274564	230.0 0.999819
0.2 0.995678	2.0 0.999995	1.1 0.985200	6.5 0.996799	1.1 0.875158	62.0 0.999550	0.5 0.946660	62.0 0.899952	0.6 0.995678		0.6 0.885303	64.0 0.999550	0.9 0.276564	240.0 0.999819	0.7 0.995678		0.7 0.885303	64.0 0.999550	1.0 0.278564	250.0 0.999819
0.3 0.995678	2.1 0.999995	1.2 0.985777	5.0 0.997730	1.2 0.875158	64.0 0.999550	0.8 0.946660	64.0 0.899952	0.9 0.995678		0.9 0.885303	66.0 0.999550	1.1 0.278564	260.0 0.999819	1.0 0.995678		1.0 0.885303	66.0 0.999550	1.1 0.278564	270.0 0.999819
0.4 0.995678	2.2 0.999995	1.3 0.985921	6.0 0.998740	1.3 0.875158	66.0 0.999550	0.6 0.946660	66.0 0.899952	0.7 0.995678		0.7 0.885303	68.0 0.999550	1.2 0.280564	280.0 0.999819	0.8 0.995678		0.8 0.885303	68.0 0.999550	1.3 0.280564	290.0 0.999819
0.5 0.995678	2.3 0.999995	1.4 0.986202	5.0 0.999599	1.4 0.875158	68.0 0.999550	0.5 0.946660	68.0 0.899952	0.6 0.995678		0.6 0.885303	70.0 0.999550	1.1 0.282564	300.0 0.999819	0.7 0.995678		0.7 0.885303	70.0 0.999550	1.2 0.282564	310.0 0.999819
0.6 0.995678	2.4 0.999995	1.5 0.986416	5.0 0.999799	1.5 0.875158	70.0 0.999550	0.4 0.946660	70.0 0.899952	0.5 0.995678		0.5 0.885303	72.0 0.999550	1.0 0.284564	320.0 0.999819	0.6 0.995678		0.6 0.885303	72.0 0.999550	1.1 0.284564	330.0 0.999819
0.7 0.995678	2.5 0.999995	1.6 0.986701	10.0 0.999599	1.6 0.875158	72.0 0.999550	0.3 0.946660	72.0 0.899952	0.4 0.995678		0.4 0.885303	74.0 0.999550	1.5 0.286564	340.0 0.999819	0.5 0.995678		0.5 0.885303	74.0 0.999550	1.6 0.286564	350.0 0.999819
0.8 0.995678	2.6 0.999995	1.7 0.987015	12.0 0.999599	1.7 0.875158	74.0 0.999550	0.2 0.946660	74.0 0.899952	0.3 0.995678		0.3 0.885303	76.0 0.999550	1.7 0.288564	360.0 0.999819	0.4 0.995678		0.4 0.885303	76.0 0.999550	1.8 0.288564	370.0 0.999819
0.9 0.995678	2.7 0.999995	1.8 0.987288	13.0 0.999599	1.8 0.875158	76.0 0.999550	0.1 0.946660	76.0 0.899952	0.2 0.995678		0.2 0.885303	78.0 0.999550	1.8 0.290564	380.0 0.999819	0.3 0.995678		0.3 0.885303	78.0 0.999550	1.9 0.290564	390.0 0.999819
0.0 0.999119	1.9 0.999761	0.3 0.857059	2.0 0.996169	0.3 0.635926	30.0 0.999102	0.0 0.930897	30.0 0.808256	0.1 0.999119		0.1 0.885303	32.0 0.99915	0.5 0.265350	200.0 0.999797	0.2 0.999119		0.2 0.885303	32.0 0.99915	0.6 0.265350	210.0 0.999797
0.1 0.999119	2.0 0.999119	0.4 0.865962	2.0 0.997047	0.4 0.642772	32.0 0.99915	0.1 0.930897	32.0 0.808256	0.2 0.999119		0.2 0.885303	34.0 0.99915	0.6 0.265350	220.0 0.999797	0.3 0.999119		0.3 0.885303	34.0 0.99915	0.7 0.265350	230.0 0.999797
0.2 0.999119	2.1 0.999119	0.5 0.873711	3.0 0.997156	0.5 0.642772	34.0 0.99915	0.2 0.930897	34.0 0.808256	0.3 0.999119		0.3 0.885303	36.0 0.99915	0.6 0.265350	240.0 0.999797	0.4 0.999119		0.4 0.885303	36.0 0.99915	0.7 0.265350	250.0 0.999797
0.3 0.999119	2.2 0.999119	0.6 0.882202	3.5 0.997935	0.6 0.652196	36.0 0.99915	0.3 0.930897	36.0 0.808256	0.4 0.999119		0.4 0.885303	38.0 0.99915	0.5 0.265350	260.0 0.999797	0.5 0.999119		0.5 0.885303	38.0 0.99915	0.6 0.265350	270.0 0.999797
0.4 0.999119	2.3 0.999119	0.7 0.891666	4.0 0.998465	0.7 0.662196	38.0 0.99915	0.4 0.930897	38.0 0.808256	0.5 0.999119		0.5 0.885303	40.0 0.99915	0.6 0.265350	280.0 0.999797	0.6 0.999119		0.6 0.885303	40.0 0.99915	0.7 0.265350	290.0 0.999797
0.5 0.999119	2.4 0.999119	0.8 0.901311	4.5 0.999393	0.8 0.672196	40.0 0.99915	0.5 0.930897	40.0 0.808256	0.6 0.999119		0.6 0.885303	42.0 0.99915	0.7 0.265350	300.0 0.999797	0.7 0.999119		0.7 0.885303	42.0 0.99915	0.8 0.265350	310.0 0.999797
0.6 0.999119	2.5 0.999119	0.9 0.910361	5.0 0.999155	0.9 0.682196	42.0 0.99915	0.6 0.930897	42.0 0.808256	0.7 0.999119		0.7 0.885303	44.0 0.99915	0.8 0.265350	320.0 0.999797	0.8 0.999119		0.8 0.885303	44.0 0.99915	0.9 0.265350	330.0 0.999797
0.7 0.999119	2.6 0.999119	1.0 0.919805	5.5 0.999155	1.0 0.692196	44.0 0.99915	0.7 0.930897	44.0 0.808256	0.8 0.999119		0.8 0.885303	46.0 0.99915	0.9 0.265350	340.0 0.999797	0.9 0.999119		0.9 0.885303	46.0 0.99915</		

D/M/9 CDF OF NUMBER IN SYSTEM

STATE	P($\leq t$)	P($\leq t+1$)	STATE	P($\leq t$)	P($\leq t+1$)	STATE	P($\leq t$)	P($\leq t+1$)	STATE	P($\leq t$)	P($\leq t+1$)	STATE	P($\leq t$)	P($\leq t+1$)	STATE	P($\leq t$)	P($\leq t+1$)
BPN=1.0																	
0 .303932	0.303932	0 .31518737-07	1.000000	0 .2492687-09	0 .2522024	10 .4561477-02	0 .999520	1 .22616197-34	0 .000230	56 .5341027-02	0 .869655	1 .641507-35	0 .013307	78 .4971487-02	0 .879807	1 .641507-35	0 .013307
1 .570050	0 .813362	0 .61610707-10	1.000000	1 .6341907-03	0 .000465	15 .26237457-02	0 .999709	1 .7071767-04	0 .000295	60 .4516647-02	0 .889774	1 .641507-35	0 .013307	78 .4971487-02	0 .879807	1 .641507-35	0 .013307
2 .176066	0 .993568	0 .61610707-10	1.000000	2 .5818632-02	0 .094344	16 .1774687-02	0 .999700	1 .53040497-03	0 .000273	10 .4221507-02	0 .999749	1 .53040497-03	0 .000273	10 .4221507-02	0 .999749	1 .53040497-03	0 .000273
3 .155504-01	0 .999522	0 .7692067-10	1.000000	3 .2490097-01	0 .001047	17 .1774687-02	0 .999700	1 .53040497-03	0 .000273	10 .4221507-02	0 .999749	1 .53040497-03	0 .000273	10 .4221507-02	0 .999749	1 .53040497-03	0 .000273
4 .073035-03	0 .999595	10 .34031115-22	1.000000	4 .1748617-01	0 .001047	18 .2131377-03	0 .999513	1 .2151517-02	0 .000210	16 .1957807-03	0 .999537	1 .2151517-02	0 .000210	16 .1957807-03	0 .999537	1 .2151517-02	0 .000210
5 .4620342-05	1.000000	11 .1545817-26	1.000000	5 .1332207-01	0 .001047	19 .2234437-03	0 .999513	1 .1567664-01	0 .020113	10 .31154667-02	0 .999687	1 .1567664-01	0 .020113	10 .31154667-02	0 .999687	1 .1567664-01	0 .020113
BPN=1.20																	
0 .7796088-01	0 .077961	7 .10 .1618637-06	1.000000	0 .5149567-01	0 .932165	20 .1261767-04	0 .999586	10 .3481527-01	0 .156554	85 .1664267-02	0 .959774	10 .3481527-01	0 .156554	85 .1664267-02	0 .959774	10 .3481527-01	0 .156554
1 .320794	0 .398765	8 .1956575-06	1.000000	10 .5149567-01	0 .932165	21 .1261767-04	0 .999586	11 .3183397-01	0 .191985	90 .1334897-02	0 .969735	11 .3183397-01	0 .191985	90 .1334897-02	0 .969735	11 .3183397-01	0 .191985
2 .375773	0 .776478	9 .21304945-06	1.000000	11 .2009705-01	0 .966262	25 .1520457-05	0 .999592	12 .2101367-21	0 .224090	15 .1105557-02	0 .981311	12 .2101367-21	0 .224090	15 .1105557-02	0 .981311	12 .2101367-21	0 .224090
3 .179735	0 .956213	10 .16936395-10	1.000000	12 .1512987-01	0 .951519	26 .3175677-05	0 .999595	13 .3086087-02	0 .999700	15 .2012497-01	0 .252511	20 .2337207-02	0 .982118	15 .2012497-01	0 .252511	20 .2337207-02	0 .982118
4 .0972688-01	0 .999560	11 .16021785-12	1.000000	13 .3086087-02	0 .999700	20 .2814147-04	0 .999700	15 .2482717-01	0 .312948	110 .4035598-03	0 .985399	15 .2482717-01	0 .312948	110 .4035598-03	0 .985399	15 .2482717-01	0 .312948
5 .6718957-02	0 .999549	12 .17271285-15	1.000000	14 .155555	0 .792283	22 .15181627-04	0 .999556	8 .1981257-01	0 .087609	75 .2495287-02	0 .999745	8 .1981257-01	0 .087609	75 .2495287-02	0 .999745	8 .1981257-01	0 .087609
6 .295104-03	0 .999599	13 .56733165-17	1.000000	15 .155555	0 .792283	23 .1751827-04	0 .999556	9 .1625567-01	0 .026276	76 .3012247-02	0 .999735	9 .1625567-01	0 .026276	76 .3012247-02	0 .999735	9 .1625567-01	0 .026276
BPN=1.40																	
0 .1925407-01	0 .019259	8 .111613322-03	0 .999599	0 .1130307-02	0 .000013	16 .1117798-01	0 .980739	1 .26211197-34	0 .000216	22 .211171-01	0 .193011	125 .3207947-01	0 .999750	125 .3207947-01	0 .999750	125 .3207947-01	0 .999750
1 .133094	0 .152298	9 .62032225-05	0 .999599	1 .2959707-02	0 .021290	16 .4496987-02	0 .992369	1 .2151714-01	0 .181502	126 .268667-03	0 .999308	1 .2151714-01	0 .181502	126 .268667-03	0 .999308	1 .2151714-01	0 .181502
2 .296511	0 .182920	10 .25316268-06	0 .999599	2 .478187-01	0 .666229	16 .1774687-02	0 .999599	21 .2268687-01	0 .461102	140 .1789857-01	0 .999567	21 .2268687-01	0 .461102	140 .1789857-01	0 .999567	21 .2268687-01	0 .461102
3 .309190	0 .740613	11 .10 .16106787-07	0 .999599	3 .109124	0 .179712	19 .1971727-02	0 .999599	22 .2160457-02	0 .098812	145 .2012497-01	0 .501328	145 .2012497-01	0 .501328	145 .2012497-01	0 .501328		
4 .171708	0 .911608	12 .12376155-09	0 .999599	7 .148424	0 .522936	21 .448147-03	0 .999254	23 .1974647-02	0 .522936	155 .974332-04	0 .997681	155 .974332-04	0 .997681	155 .974332-04	0 .997681		
5 .165254	0 .987633	13 .17 .16102828-10	0 .999599	8 .166533	0 .687662	22 .272751-03	0 .999531	25 .180571-01	0 .561095	160 .7955367-04	0 .998073	160 .7955367-04	0 .998073	160 .7955367-04	0 .998073		
6 .105532	0 .998085	14 .16021232-12	0 .999599	9 .155917	0 .803708	23 .1765452-03	0 .999705	26 .1819927-01	0 .560195	165 .697582-04	0 .998425	165 .697582-04	0 .998425	165 .697582-04	0 .998425		
7 .139404	0 .998177	15 .16021913-13	0 .999599	10 .1726665	0 .876623	25 .1296437-03	0 .999815	27 .176762-01	0 .576721	170 .5303937-04	0 .998713	170 .5303937-04	0 .998713	170 .5303937-04	0 .998713		
BPN=1.60																	
0 .086192-02	0 .006465	10 .8787908-06	0 .999599	11 .161717	0 .111617	25 .6893397-04	0 .999888	12 .1611617-01	0 .110518	180 .3531097-04	0 .999910	180 .3531097-04	0 .999910	180 .3531097-04	0 .999910		
1 .6612748-01	0 .051093	11 .16 .16021785-06	0 .999599	12 .1612748	0 .111617	25 .6893397-04	0 .999888	13 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
2 .141094	0 .212117	12 .5162187-06	0 .999599	13 .1810199-01	0 .969359	26 .6893397-04	0 .999888	14 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
3 .272736	0 .886873	13 .15518737-06	0 .999599	14 .1810199-01	0 .969359	27 .6893397-04	0 .999888	15 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
4 .267620	0 .999599	15 .16 .16021785-06	0 .999599	15 .1810199-01	0 .969359	28 .6893397-04	0 .999888	16 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
5 .196166	0 .999599	16 .16 .16021785-06	0 .999599	16 .1810199-01	0 .969359	29 .6893397-04	0 .999888	17 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
6 .166453	0 .519501	16 .16 .16021785-06	0 .999599	17 .1810199-01	0 .969359	30 .6893397-04	0 .999888	18 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
7 .153794	0 .233723	17 .16 .16021785-06	0 .999599	18 .1810199-01	0 .969359	31 .6893397-04	0 .999888	19 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
8 .153794	0 .233723	18 .17 .16021785-06	0 .999599	19 .1810199-01	0 .969359	32 .6893397-04	0 .999888	20 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
9 .153794	0 .233723	19 .18 .16021785-06	0 .999599	20 .1810199-01	0 .969359	33 .6893397-04	0 .999888	21 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
10 .153794	0 .233723	20 .19 .16021785-06	0 .999599	21 .1810199-01	0 .969359	34 .6893397-04	0 .999888	22 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
11 .153794	0 .233723	21 .20 .16021785-06	0 .999599	22 .1810199-01	0 .969359	35 .6893397-04	0 .999888	23 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
12 .153794	0 .233723	22 .21 .16021785-06	0 .999599	23 .1810199-01	0 .969359	36 .6893397-04	0 .999888	24 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
13 .153794	0 .233723	23 .22 .16021785-06	0 .999599	24 .1810199-01	0 .969359	37 .6893397-04	0 .999888	25 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
14 .153794	0 .233723	24 .23 .16021785-06	0 .999599	26 .1810199-01	0 .969359	38 .6893397-04	0 .999888	27 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
15 .153794	0 .233723	25 .24 .16021785-06	0 .999599	28 .1810199-01	0 .969359	39 .6893397-04	0 .999888	29 .1810199-01	0 .969359	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889	130 .3584852-02	0 .999889		
16 .153794	0 .233723	26 .25 .16021785-06	0 .999599	30 .1810199-01	0 .969359	40											

D/M/9 CDF OF WAITING TIME IN THE QUEUE

TIME T	P(WT<=t)	TIME T	P(WT<=t)	TIME T	P(WT<=t)	TIME T	P(WT<=t)	TIME T	P(WT<=t)	TIME T	P(WT<=t)	TIME T	P(WT<=t)
BBQ=10													
0.0 1.000000	0.0 0.955339	2.1 0.993710	0.0 0.626298	3.0 0.962939	0.0 0.105872	22.0 0.632534							
0.2 0.999200	0.2 0.959320	2.2 0.996275	0.1 0.638506	3.5 0.800039	0.1 0.105890	24.0 0.662676							
0.3 0.998495	0.3 0.960475	2.4 0.997500	0.2 0.650670	4.0 0.501091	0.2 0.113093	26.0 0.668396							
0.4 0.997800	0.4 0.961920	2.6 0.998473	0.3 0.663000	4.5 0.316996	0.3 0.116682	28.0 0.672665							
0.5 0.997200	0.5 0.963199	2.6 0.996059	0.4 0.673078	5.0 0.249731	0.4 0.120264	30.0 0.700000							
0.6 0.996600	0.6 0.964995	2.7 0.996910	0.5 0.683828	6.0 0.1949731	0.5 0.123815	32.0 0.755680							
0.7 0.996000	0.7 0.967668	2.8 0.996730	0.6 0.700279	7.0 0.198017	0.6 0.127360	34.0 0.777079							
0.8 0.995499	0.8 0.968726	2.9 0.997022	0.7 0.718002	8.0 0.198153	0.7 0.130891	36.0 0.792256							
0.9 0.994999	0.9 0.969726	3.0 0.997267	0.8 0.722607	10.0 0.198803	0.8 0.134008	38.0 0.808636							
1.0 0.994500	1.0 0.970248	3.1 0.997400	0.9 0.726661	11.0 0.199553	0.9 0.137910	40.0 0.823356							
1.1 0.994099	1.1 0.970636	3.2 0.997499	1.0 0.730297	12.0 0.199804	1.0 0.140390	42.0 0.837711							
1.2 0.993700	1.2 0.970906	3.3 0.997530	1.1 0.734297	13.0 0.199931	1.1 0.142864	44.0 0.849000							
0.0 0.999875	1.3 0.999933	3.4 0.999331	1.2 0.739006	13.0 0.1995160	1.2 0.146332	46.0 0.861698							
0.1 0.999900	1.4 0.999934	3.5 0.999581	1.3 0.750001	14.0 0.199525	1.3 0.151770	48.0 0.872236							
0.2 0.999920	1.5 0.999935	3.6 0.999835	1.4 0.765907	15.0 0.199720	1.4 0.155210	50.0 0.882233							
0.3 0.999936	1.6 0.999936	3.7 0.999935	1.5 0.773662	16.0 0.199825	1.5 0.158620	52.0 0.893082							
0.4 0.999949	1.7 0.999937	3.8 0.999975	1.6 0.781242	17.0 0.199829	1.6 0.162032	54.0 0.912300							
0.5 0.999959	1.8 0.999938	3.9 0.999990	1.7 0.788004	18.0 0.199990	1.7 0.165733	56.0 0.935692							
0.6 0.999967	1.9 0.999939	4.0 0.999996	1.8 0.795261	19.0 0.199993	1.8 0.168709	58.0 0.947240							
0.7 0.999976	2.0 0.999940	4.1 0.999996	1.9 0.802021	20.0 0.199934	1.9 0.172162	60.0 0.957240							
0.8 0.999979	2.1 0.999941	4.2 0.999999	2.0 0.805823	22.0 0.1999761	2.0 0.175512	62.0 0.965102							
0.9 0.999983	2.2 0.999941	4.3 0.999999	2.1 0.807619	24.0 0.199978	2.1 0.178046	64.0 0.971500							
1.0 0.999987	2.3 0.999941	4.4 0.999999	2.2 0.820508	26.0 0.199937	2.2 0.182170	66.0 0.976736							
1.1 0.999990	2.4 0.999941	4.5 0.999999	2.3 0.824628	28.0 0.199968	2.3 0.185493	68.0 0.981003							
1.2 0.999991	2.5 0.999941	4.6 0.999999	2.4 0.828092	30.0 0.199973	2.4 0.187775	70.0 0.984089							
BBQ=15													
0.0 0.997330	1.0 0.999848	0.5 0.991110	2.0 0.987871	0.0 0.913807	2.3 0.985046	0.0 0.915127	0.0 0.915127	0.0 0.915127	0.0 0.915127	0.0 0.915127	0.0 0.915127	0.0 0.915127	0.0 0.915127
0.1 0.997723	1.1 0.999871	0.6 0.991110	2.1 0.987871	0.1 0.920516	2.4 0.986143	0.1 0.921006	0.1 0.921006	0.1 0.921006	0.1 0.921006	0.1 0.921006	0.1 0.921006	0.1 0.921006	0.1 0.921006
0.2 0.998050	1.2 0.999894	0.7 0.991110	2.2 0.987871	0.2 0.926008	2.5 0.987159	0.2 0.926229	0.2 0.926229	0.2 0.926229	0.2 0.926229	0.2 0.926229	0.2 0.926229	0.2 0.926229	0.2 0.926229
0.3 0.998359	1.3 0.999917	0.8 0.991110	2.3 0.987871	0.3 0.931133	2.6 0.988163	0.3 0.932202	0.3 0.932202	0.3 0.932202	0.3 0.932202	0.3 0.932202	0.3 0.932202	0.3 0.932202	0.3 0.932202
0.4 0.998797	1.4 0.999932	0.9 0.991110	2.4 0.987871	0.4 0.9456779	2.7 0.989502	0.4 0.955227	0.4 0.955227	0.4 0.955227	0.4 0.955227	0.4 0.955227	0.4 0.955227	0.4 0.955227	0.4 0.955227
0.5 0.999126	1.5 0.999942	1.0 0.991110	2.5 0.987871	0.5 0.955762	2.8 0.989720	0.5 0.962712	0.5 0.962712	0.5 0.962712	0.5 0.962712	0.5 0.962712	0.5 0.962712	0.5 0.962712	0.5 0.962712
0.6 0.999254	1.6 0.999950	1.1 0.991110	2.6 0.987871	0.6 0.965866	2.9 0.989916	0.6 0.973220	0.6 0.973220	0.6 0.973220	0.6 0.973220	0.6 0.973220	0.6 0.973220	0.6 0.973220	0.6 0.973220
0.7 0.999368	1.7 0.999956	1.2 0.991110	2.7 0.987871	0.7 0.973027	3.0 0.989905	0.7 0.981527	0.7 0.981527	0.7 0.981527	0.7 0.981527	0.7 0.981527	0.7 0.981527	0.7 0.981527	0.7 0.981527
0.8 0.999473	1.8 0.999960	1.3 0.991110	2.8 0.987871	0.8 0.980384	3.1 0.989900	0.8 0.988163	0.8 0.988163	0.8 0.988163	0.8 0.988163	0.8 0.988163	0.8 0.988163	0.8 0.988163	0.8 0.988163
0.9 0.999573	1.9 0.999965	1.4 0.991110	2.9 0.987871	0.9 0.988387	3.2 0.989900	0.9 0.988163	0.9 0.988163	0.9 0.988163	0.9 0.988163	0.9 0.988163	0.9 0.988163	0.9 0.988163	0.9 0.988163
1.0 0.999670	2.0 0.999969	1.5 0.991110	3.0 0.987871	1.0 0.989120	3.3 0.989900	1.0 0.988163	1.0 0.988163	1.0 0.988163	1.0 0.988163	1.0 0.988163	1.0 0.988163	1.0 0.988163	1.0 0.988163
1.1 0.999767	2.1 0.999970	1.6 0.991110	3.1 0.987871	1.2 0.990121	3.4 0.989900	1.2 0.988163	1.2 0.988163	1.2 0.988163	1.2 0.988163	1.2 0.988163	1.2 0.988163	1.2 0.988163	1.2 0.988163
1.2 0.999856	2.2 0.999970	1.7 0.991110	3.2 0.987871	1.3 0.991205	3.5 0.989900	1.3 0.988163	1.3 0.988163	1.3 0.988163	1.3 0.988163	1.3 0.988163	1.3 0.988163	1.3 0.988163	1.3 0.988163
1.3 0.999945	2.3 0.999970	1.8 0.991110	3.3 0.987871	1.4 0.992302	3.6 0.989900	1.4 0.988163	1.4 0.988163	1.4 0.988163	1.4 0.988163	1.4 0.988163	1.4 0.988163	1.4 0.988163	1.4 0.988163
1.4 0.999983	2.4 0.999970	1.9 0.991110	3.4 0.987871	1.5 0.993402	3.7 0.989900	1.5 0.988163	1.5 0.988163	1.5 0.988163	1.5 0.988163	1.5 0.988163	1.5 0.988163	1.5 0.988163	1.5 0.988163
1.5 0.999990	2.5 0.999970	2.0 0.991110	3.5 0.987871	1.6 0.994502	3.8 0.989900	1.6 0.988163	1.6 0.988163	1.6 0.988163	1.6 0.988163	1.6 0.988163	1.6 0.988163	1.6 0.988163	1.6 0.988163
1.6 0.999997	2.6 0.999970	2.1 0.991110	3.6 0.987871	1.7 0.995602	3.9 0.989900	1.7 0.988163	1.7 0.988163	1.7 0.988163	1.7 0.988163	1.7 0.988163	1.7 0.988163	1.7 0.988163	1.7 0.988163
1.7 0.999999	2.7 0.999970	2.2 0.991110	3.7 0.987871	1.8 0.996702	4.0 0.989900	1.8 0.988163	1.8 0.988163	1.8 0.988163	1.8 0.988163	1.8 0.988163	1.8 0.988163	1.8 0.988163	1.8 0.988163
1.8 0.999999	2.8 0.999970	2.3 0.991110	3.8 0.987871	1.9 0.997802	4.1 0.989900	1.9 0.988163	1.9 0.988163	1.9 0.988163	1.9 0.988163	1.9 0.988163	1.9 0.988163	1.9 0.988163	1.9 0.988163
1.9 0.999999	2.9 0.999970	2.4 0.991110	3.9 0.987871	2.0 0.998902	4.2 0.989900	2.0 0.988163	2.0 0.988163	2.0 0.988163	2.0 0.988163	2.0 0.988163	2.0 0.988163	2.0 0.988163	2.0 0.988163
2.0 0.999999	3.0 0.999970	2.5 0.991110	4.0 0.987871	2.1 0.999902	4.3 0.989900	2.1 0.988163	2.1 0.988163	2.1 0.988163	2.1 0.988163	2.1 0.988163	2.1 0.988163	2.1 0.988163	2.1 0.988163
2.1 0.999999	3.1 0.999970	2.6 0.991110	4.1 0.987871	2.2 0.999992	4.4 0.989900	2.2 0.988163	2.2 0.988163	2.2 0.988163	2.2 0.988163	2.2 0.988163	2.2 0.988163	2.2 0.988163	2.2 0.988163
2.2 0.999999	3.2 0.999970	2.7 0.991110	4.2 0.987871	2.3 0.999992	4.5 0.989900	2.3 0.988163	2.3 0.988163	2.3 0.988163	2.3 0.988163	2.3 0.988163	2.3 0.988163	2.3 0.988163	2.3 0.988163
2.3 0.999999	3.3 0.999970	2.8 0.991110	4.3 0.987871	2.4 0.999992	4.6 0.989900	2.4 0.988163	2.4 0.988163	2.4 0.988163	2.4 0.988163	2.4 0.988163	2.4 0.988163	2.4 0.988163	2.4 0.988163
2.4 0.999999	3.4 0.999970	2.9 0.991110	4.4 0.987871	2.5 0.999992	4.7 0.989900	2.5 0.988163	2.5 0.988163	2.5 0.988163	2.5 0.988163	2.5 0.988163	2.5 0.988163	2.5 0.988163	2.5 0.988163
2.5 0.999999	3.5 0.999970	3.0 0.991110	4.5 0.987871	2.6 0.999992	4.8 0.989900	2.6 0.988163	2.6 0.988163	2.6 0.988163	2.6 0.988163	2.6 0.988163	2.6 0.988163	2.6 0.988163	2.6 0.988163
2.6 0.999999	3.6 0.999970	3.1 0.991110	4.6 0.987871	2.7 0.999992	4.9 0.989900	2.7 0.988163	2.7 0.988163	2.7 0.988163	2.7 0.988163	2.7 0.988163	2.7 0.988163	2.7 0.988163	2.7 0.988163
2.7 0.999999	3.7 0.999970	3.2 0.991110	4.7 0.987871	2.8 0.999992	5.0 0.98								

D/M/10 CDF OF NUMBER IN SYSTEM

STATE	P(0<=t)	STATE	P(0<=t)	STATE	P(0<=t)	STATE	P(0<=t)	STATE	P(0<=t)	STATE	P(0<=t)	STATE	P(0<=t)	STATE	P(0<=t)				
BRO= .13																			
0 .501373	0 .251800	6 .991135T-02	0 .999999	0 .376660T-03	0 .000009	18 .760163T-02	0 .991113	0 .913390T-07	0 .000000	54 .558223T-02	0 .865056	0 .156912T-05	0 .00002	58 .518811T-02	0 .875574				
1 .530423	0 .764229	7 .213066T-03	0 .999999	1 .151560T-01	0 .001127	15 .401364T-02	0 .995576	2 .221621T-04	0 .000024	60 .478715E-02	0 .885265	2 .215116T-02	0 .037177	16 .220133T-02	0 .997355				
1 .257644T-01	0 .549837	9 .152161T-10	0 .999999	3 .116311T-01	0 .011980	17 .120220T-02	0 .998557	3 .176968T-03	0 .000200	62 .337782E-02	0 .999201	4 .394439T-01	0 .051663	18 .4654926T-01	0 .999213				
5 .172097T-04	0 .599999	10 .567185T-20	0 .999999	5 .916312T-01	0 .145384	19 .357877T-01	0 .999570	6 .906868T-03	0 .001107	66 .403668T-02	0 .902461	5 .186305T-02	0 .020436	65 .372211T-02	0 .917003				
BRO= .20																			
0 .577201T-01	0 .05727C	8 .630709T-06	0 .999999	6 .151941	20 .195259T-03	0 .999766	6 .863052T-02	0 .012998	68 .363223T-02	0 .917005	7 .192711	0 .692039	7 .176268T-01	0 .030825	70 .316150T-02	0 .925006			
1 .267718	0 .326988	8 .125226T-05	1 .000000	7 .192711	21 .106535T-03	0 .999872	8 .275568T-02	0 .012999	72 .311020T-02	0 .917006	8 .151941	20 .195259T-03	0 .999766	8 .151941	20 .195259T-03	0 .999766			
2 .375087	0 .702475	9 .220110T-07	1 .000000	9 .151941	21 .106535T-03	0 .999872	9 .211020T-02	0 .012999	74 .311020T-02	0 .917006	10 .150812T-01	0 .128973	85 .172286T-02	0 .958755	10 .150812T-01	0 .128973	85 .172286T-02	0 .958755	
3 .221117	0 .926762	10 .230298T-C9	1 .000000	11 .150812T-01	0 .056280	20 .173032T-06	0 .999876	11 .150812T-01	0 .056280	86 .140640T-01	0 .163512	80 .140640T-01	0 .163512	81 .150812T-01	0 .163512	80 .140640T-01	0 .163512		
4 .466173T-01	0 .988919	11 .162682T-11	1 .000000	12 .150812T-01	0 .570188	26 .5152805T-05	0 .999999	12 .150812T-01	0 .570188	87 .132342T-01	0 .196267	95 .119862E-02	0 .972237	13 .150812T-01	0 .98037111	10 .056452T-02	0 .999999		
5 .997322T-02	0 .599993	12 .112110T-13	1 .000000	13 .150812T-01	0 .98037111	10 .056452T-02	0 .999999	13 .150812T-01	0 .98037111	100 .937065T-01	0 .977330	13 .306457T-01	0 .259326	105 .7657579T-01	0 .981409	15 .299281T-01	0 .2808754	110 .625269T-01	0 .984805
6 .867517T-03	0 .599999	13 .782710T-16	1 .000000	BRO= .25															
0 .122226T-01	0 .012323	8 .929859T-02	0 .999995	0 .1371630T-05	0 .000000	18 .651558T-03	0 .971190	18 .721630T-05	0 .000000	19 .721630T-05	0 .000000	1 .103155T-01	0 .000000	1 .103155T-01	0 .000000	1 .103155T-01	0 .000000	1 .103155T-01	0 .000000
1 .949431T-01	0 .127070	9 .328372T-04	0 .999997	1 .150812T-01	0 .000000	19 .655527T-02	0 .980899	19 .655527T-02	0 .980899	20 .250248T-01	0 .395282	130 .277320T-01	0 .991279	20 .250248T-01	0 .395282	130 .277320T-01	0 .991279	20 .250248T-01	0 .395282
2 .250525	0 .357531	10 .173531T-05	0 .999999	2 .150812T-01	0 .000000	21 .106416T-02	0 .998022	21 .106416T-02	0 .998022	22 .202848T-01	0 .419258	135 .226326E-03	0 .994512	22 .202848T-01	0 .419258	135 .226326E-03	0 .994512	22 .202848T-01	0 .419258
3 .312756	0 .670287	11 .709460T-07	0 .999999	3 .150812T-01	0 .000000	23 .162920T-02	0 .997242	23 .162920T-02	0 .997242	24 .210727T-01	0 .484423	140 .185228T-02	0 .995518	24 .210727T-01	0 .484423	140 .185228T-02	0 .995518	24 .210727T-01	0 .484423
4 .216466	0 .886955	12 .297035T-08	0 .999999	5 .150812T-01	0 .000000	25 .161019T-02	0 .998910	25 .161019T-02	0 .998910	26 .204311T-01	0 .526816	150 .196195T-01	0 .526816	26 .204311T-01	0 .526816	150 .196195T-01	0 .526816	26 .204311T-01	0 .526816
6 .221116T-01	0 .972967	13 .116273T-11	0 .999999	7 .150812T-01	0 .000000	27 .161019T-02	0 .999569	27 .161019T-02	0 .999569	28 .166000T-01	0 .562711	155 .188600T-01	0 .562711	28 .166000T-01	0 .562711	155 .188600T-01	0 .562711	28 .166000T-01	0 .562711
7 .321341T-01	0 .988916	14 .887127T-11	0 .999999	8 .150812T-01	0 .000000	29 .161019T-02	0 .999569	29 .161019T-02	0 .999569	30 .177327T-01	0 .560120	155 .188600T-01	0 .560120	30 .177327T-01	0 .560120	155 .188600T-01	0 .560120	30 .177327T-01	0 .560120
9 .382362T-02	0 .599953	15 .191017T-12	0 .999999	10 .150812T-01	0 .000000	31 .150812T-02	0 .999569	31 .150812T-02	0 .999569	32 .166000T-01	0 .560120	155 .188600T-01	0 .560120	32 .166000T-01	0 .560120	155 .188600T-01	0 .560120	32 .166000T-01	0 .560120
BRO= .30																			
0 .122226T-01	0 .012323	8 .929859T-02	0 .999999	0 .1371630T-05	0 .000000	18 .651558T-03	0 .971190	18 .721630T-05	0 .000000	19 .721630T-05	0 .000000	1 .103155T-01	0 .000000	1 .103155T-01	0 .000000	1 .103155T-01	0 .000000	1 .103155T-01	0 .000000
1 .949431T-01	0 .127070	9 .328372T-04	0 .999997	1 .150812T-01	0 .000000	19 .655527T-02	0 .980899	19 .655527T-02	0 .980899	20 .250248T-01	0 .395282	130 .277320T-01	0 .991279	20 .250248T-01	0 .395282	130 .277320T-01	0 .991279	20 .250248T-01	0 .395282
2 .250525	0 .357531	10 .173531T-05	0 .999999	3 .150812T-01	0 .000000	21 .106416T-02	0 .998022	21 .106416T-02	0 .998022	22 .202848T-01	0 .419258	135 .226326E-03	0 .994512	22 .202848T-01	0 .419258	135 .226326E-03	0 .994512	22 .202848T-01	0 .419258
3 .312756	0 .670287	11 .709460T-07	0 .999999	5 .150812T-01	0 .000000	23 .162920T-02	0 .997242	23 .162920T-02	0 .997242	24 .210727T-01	0 .484423	140 .185228T-02	0 .995518	24 .210727T-01	0 .484423	140 .185228T-02	0 .995518	24 .210727T-01	0 .484423
4 .216466	0 .886955	12 .297035T-08	0 .999999	6 .150812T-01	0 .000000	25 .161019T-02	0 .999569	25 .161019T-02	0 .999569	26 .166000T-01	0 .562711	155 .188600T-01	0 .562711	26 .166000T-01	0 .562711	155 .188600T-01	0 .562711	26 .166000T-01	0 .562711
7 .321341T-01	0 .988916	13 .116273T-11	0 .999999	8 .150812T-01	0 .000000	27 .161019T-02	0 .999569	27 .161019T-02	0 .999569	28 .166000T-01	0 .560120	155 .188600T-01	0 .560120	28 .166000T-01	0 .560120	155 .188600T-01	0 .560120	28 .166000T-01	0 .560120
9 .382362T-02	0 .599953	14 .887127T-12	0 .999999	10 .150812T-01	0 .000000	29 .161019T-02	0 .999569	29 .161019T-02	0 .999569	30 .177327T-01	0 .560120	155 .188600T-01	0 .560120	30 .177327T-01	0 .560120	155 .188600T-01	0 .560120	30 .177327T-01	0 .560120
BRO= .40																			
0 .247411T-02	0 .002474	10 .192110T-03	0 .999997	0 .1371630T-05	0 .000000	18 .651558T-03	0 .971190	18 .721630T-05	0 .000000	19 .721630T-05	0 .000000	1 .103155T-01	0 .000000	1 .103155T-01	0 .000000	1 .103155T-01	0 .000000	1 .103155T-01	0 .000000
1 .111396	0 .184559	12 .221630T-C5	1 .000000	1 .150812T-01	0 .000000	19 .655527T-02	0 .980899	19 .655527T-02	0 .980899	20 .250248T-01	0 .395282	130 .277320T-01	0 .991279	20 .250248T-01	0 .395282	130 .277320T-01	0 .991279	20 .250248T-01	0 .395282
2 .216466	0 .886955	13 .116273T-10	0 .999999	3 .150812T-01	0 .000000	21 .106416T-02	0 .998022	21 .106416T-02	0 .998022	22 .202848T-01	0 .419258	135 .226326E-03	0 .994512	22 .202848T-01	0 .419258	135 .226326E-03	0 .994512	22 .202848T-01	0 .419258
4 .216466	0 .886955	14 .887127T-06	0 .999999	5 .150812T-01	0 .000000	23 .162920T-02	0 .997242	23 .162920T-02	0 .997242	24 .210727T-01	0 .484423	140 .185228T-02	0 .995518	24 .210727T-01	0 .484423	140 .185228T-02	0 .995518	24 .210727T-01	0 .484423
7 .321341T-01	0 .988916	15 .116273T-07	0 .999999	8 .150812T-01	0 .000000	25 .161019T-02	0 .999569	25 .161019T-02	0 .999569	26 .166000T-01	0 .562711	155 .188600T-01	0 .562711	26 .166000T-01	0 .562711	155 .188600T-01	0 .562711	26 .166000T-01	0 .562711
9 .382362T-02	0 .599953	16 .297035T-06	0 .999999	10 .150812T-01	0 .000000	27 .161019T-02	0 .999569	27 .161019T-02	0 .999569	28 .166000T-01	0 .560120	155 .188600T-01	0 .560120	28 .166000T-01	0 .560120	155 .188600T-01	0 .560120	28 .166000T-01	0 .560120
BRO= .50																			
0 .502428T-03	0 .000503	13 .660665T-03	0 .999981	0 .1371630T-05	0 .000000	18 .651558T-03	0 .971190	18 .721630T-05	0 .000000	19 .721630T-05	0 .000000	1 .103155T-01	0 .000000	1 .103155T-01	0 .000000	1 .103155T-01	0 .000000	1 .103155T-01	0 .000000
1 .757120	0 .303817	13 .328360T-05	0 .999986	1 .150812T-01	0 .000000	19 .655527T-02	0 .980899	19 .655527T-02	0 .980899	20 .250248T-01	0 .395282	130 .277320T-01	0 .991279	20 .250248T-01	0 .395282				

D/M/10 COF OF WAITING TIME IN THE QUEUE

TIME	T	P(WT<=t)	TIME	T	P(WT<=t)	TIME	T	P(WT<=t)	TIME	T	P(WT<=t)	TIME	T	P(WT<=t)	TIME	T	P(WT<=t)	
BMO=.10																		
0.0	1.000000		0.0	0.960162	2.1	0.999456	0.0	0.647426	3.0	0.870600	0.0	0.111163	22.0	0.635702				
	0.1	0.967357	2.2	0.999505	0.1	0.629020	3.5	0.890595	0.1	0.111875	28.0	0.646876						
	0.2	0.970267	2.3	0.999515	0.2	0.670232	4.0	0.927638	0.2	0.110361	36.0	0.646239						
	0.3	0.972977	2.4	0.999588	0.3	0.681075	4.5	0.921687	0.3	0.121900	28.0	0.718365						
	0.4	0.975331	2.5	0.999688	0.4	0.691496	5.0	0.925271	0.4	0.125081	36.0	0.736617						
	0.5	0.977530	2.6	0.999677	0.5	0.691562	5.5	0.933763	0.5	0.125223	34.0	0.736020						
	0.6	0.979533	2.7	0.997119	0.6	0.711512	6.0	0.922551	0.6	0.132523	36.0	0.736443						
	0.7	0.981358	2.8	0.997376	0.7	0.720998	6.5	0.926499	0.7	0.136033	36.0	0.736305						
	0.8	0.983020	2.9	0.997610	0.8	0.730172	7.0	0.926205	0.8	0.135529	38.0	0.699570						
	0.9	0.985533	3.0	0.997923	0.9	0.739045	10.0	0.927595	0.9	0.140310	40.0	0.726802						
	1.0	0.988037	3.1	0.998137	1.0	0.748187	11.0	0.921807	1.0	0.166670	42.0	0.736070						
	1.1	0.990760	3.2	0.998355	1.1	0.755928	12.0	0.925329	1.1	0.169931	46.0	0.736699						
	0.0	0.999962	1.1	0.999995	1.2	0.986312	4.5	0.999663	1.2	0.997731	13.0	0.956796						
	0.1	0.999963	1.2	0.999996	1.3	0.989354	5.0	0.999660	1.3	0.997711	14.0	0.956794						
	0.2	0.999963	1.3	0.999997	1.4	0.990303	6.0	0.999665	1.4	0.997711	15.0	0.956760						
	0.3	0.999970	1.4	0.999997	1.5	0.991167	7.0	0.999948	1.5	0.786477	16.0	0.998325						
	0.4	0.999976	1.5	0.999998	1.6	0.991155	8.0	0.999900	1.6	0.793495	17.0	0.998803						
	0.5	0.999981	1.6	0.999998	1.7	0.992127	9.0	0.999932	1.7	0.800208	18.0	0.999142						
	0.6	0.999985	1.7	0.999998	1.8	0.993225	10.0	0.999997	1.8	0.805055	19.0	0.999186						
	0.7	0.999986	1.8	0.999999	1.9	0.993320	11.0	0.999999	1.9	0.812320	20.0	0.999225						
	0.8	0.999990	1.9	0.999999	2.0	0.998462	12.0	0.999999	2.0	0.819348	22.0	0.999775						
	0.9	0.999992	2.0	0.999999	2.1	0.998309	13.0	0.999999	2.1	0.825209	24.0	0.999349						
	1.0	0.999996	2.1	0.999999											2.1	0.180706	80.0	0.771676
BMO=.15																		
	0.0	0.977091	2.3	0.987333	0.1	0.953659	26.0	0.999901	0.2	0.190249	95.0	0.781115						
	0.1	0.932361	2.4	0.988261	0.2	0.949749	27.0	0.999904	0.3	0.193575	100.0	0.784581						
	0.2	0.937320	2.5	0.989122	0.3	0.952185	28.0	0.999912	0.4	0.196087	120.0	0.789720						
	0.3	0.949195	2.6	0.989920	0.4	0.955705	29.0	0.999921	0.5	0.200087	120.0	0.794446						
	0.4	0.958762	2.7	0.990472	0.5	0.950120	30.0	0.999930	0.6	0.203324	130.0	0.795431						
	0.5	0.959123	2.8	0.990550	0.6	0.953777	31.0	0.999939	0.7	0.206587	140.0	0.796556						
	0.6	0.959262	2.9	0.990644	0.7	0.957209	32.0	0.999947	0.8	0.212253	150.0	0.797067						
	0.7	0.959356	2.5	0.999959	0.8	0.962317	33.0	0.999950	0.9	0.219755	160.0	0.798066						
	0.8	0.959536	2.6	0.999970	0.9	0.965316	34.0	0.999961	1.0	0.227458	170.0	0.799330						
	0.9	0.959605	2.7	0.999980	1.0	0.968359	35.0	0.999963	1.1	0.235992	190.0	0.799977						
	1.0	0.959663	2.8	0.999981	1.1	0.970725	36.0	0.999964	1.2	0.274258	200.0	0.799733						
	1.1	0.959713	2.9	0.999986	1.2	0.973095	37.0	0.999965	1.3	0.303089	210.0	0.799622						
	1.2	0.959759	3.0	0.999990	1.3	0.976863	38.0	0.999966	1.4	0.357569	230.0	0.799921						
	1.3	0.959791	3.1	0.999994	1.4	0.976704	39.0	0.999967	1.5	0.407120	250.0	0.799967						
	1.4	0.959822	3.0	0.999997	1.5	0.978719	40.0	0.999968	1.6	0.430968	260.0	0.799977						
	1.5	0.959860	3.1	0.999999	1.6	0.979597	41.0	0.999969	1.7	0.451573	270.0	0.799984						
	1.6	0.959870	3.0	0.999999	1.7	0.981963	42.0	0.999970	1.8	0.475284	280.0	0.799990						
	1.7	0.959890	3.1	0.999999	1.8	0.982622	43.0	0.999970	1.9	0.496132	290.0	0.799993						
BMO=.55																		
	0.0	0.999381	1.8	0.999500	0.1	0.927091	2.1	0.987056	0.0	0.476036	5.0	0.831189	8.5	0.259392	190.0	0.749979		
	0.1	0.995085	1.9	0.999563	0.2	0.932361	2.2	0.988261	0.1	0.489116	6.0	0.835535	9.0	0.274258	200.0	0.749973		
	0.2	0.995703	2.0	0.999610	0.3	0.937320	2.3	0.989122	0.2	0.499960	7.0	0.837754	10.0	0.303089	210.0	0.749922		
	0.3	0.996183	2.1	0.999668	0.4	0.941946	2.4	0.990122	0.3	0.510575	8.0	0.846201	11.0	0.330779	220.0	0.749981		
	0.4	0.996446	2.2	0.990494	0.5	0.944946	2.5	0.991123	0.4	0.520964	9.0	0.828310	12.0	0.357569	230.0	0.749921		
	0.5	0.997129	2.3	0.990749	0.6	0.948855	2.6	0.992122	0.5	0.531805	10.0	0.843127	13.0	0.387344	240.0	0.749967		
	0.6	0.997590	2.4	0.990777	0.7	0.950850	2.7	0.993148	0.6	0.541056	11.0	0.849025	14.0	0.417122	250.0	0.749997		
	0.7	0.997806	2.5	0.990905	0.8	0.952186	2.8	0.994148	0.7	0.552186	12.0	0.853777	15.0	0.447122	260.0	0.749977		
	0.8	0.998082	2.6	0.990929	0.9	0.954281	2.9	0.995148	0.8	0.563055	13.0	0.859751	16.0	0.477122	270.0	0.749980		
	0.9	0.998323	2.7	0.990951	1.0	0.957031	3.0	0.996146	0.9	0.574055	14.0	0.865151	17.0	0.507157	280.0	0.749957		
	1.0	0.998545	2.8	0.990987	1.1	0.960731	3.1	0.997035	1.0	0.585151	15.0	0.875151	18.0	0.537150	290.0	0.749510		
	1.1	0.998749	2.9	0.991020	1.2	0.964225	3.2	0.997935	1.1	0.596152	16.0	0.875150	19.0	0.567150	300.0	0.749510		
	1.2	0.998913	3.0	0.991071	1.3	0.967325	3.3	0.998835	1.2	0.607152	17.0	0.875150	20.0	0.597150	310.0	0.749510		
	1.3	0.999013	3.1	0.991120	1.4	0.970425	3.4	0.999735	1.3	0.618325	18.0	0.875150	21.0	0.627150	320.0	0.749510		
	1.4	0.999048	3.2	0.991155	1.5	0.973525	3.5	0.999935	1.4	0.630325	19.0	0.875150	22.0	0.657150	330.0	0.749510		
	1.5	0.999153	3.3	0.991177	1.6	0.976625	3.6	0.999935	1.5	0.642325	20.0	0.875150	23.0	0.687150	340.0	0.749510		
	1.6	0.999233	3.4	0.991201	1.7	0.979725	3.7	0.999935	1.6	0.654325	21.0	0.875150	24.0	0.717150	350.0	0.749510		
	1.7	0.999271	3.5	0.991231	1.8	0.982825	3.8	0.999935	1.7	0.666325	22.0	0.875150	25.0	0.747150	360.0	0.749510		
	1.8	0.999313	3.6	0.991261	1.9	0.985925	3.9	0.999935	1.8	0.678325	23.0	0.875150	26.0	0.777150	370.0	0.749510		
	1.9	0.999350	3.7	0.991291	2.0	0.989025	4.0	0.999935	1.9	0.690325	24.0	0.875150	27.0	0.807150	380.0	0.749510		
	2.0	0.999380	3.8	0.991321	2.1	0.992122	4.1	0.999935	2.0	0.702325	25.0	0.875150	28.0	0.837150	390.0	0.749510		
	2.1	0.999413	3.9	0.991351	2.2	0.994222	4.2	0.999935	2.1	0.714325	26.0	0.875150	29.0	0.8				

D/M/15 CDF OF NUMBER IN SYSTEM

STATE	P(W=1)	P(W=2)	P(W=3)	P(W=4)	STATE	P(W=1)	P(W=2)	P(W=3)	P(W=4)	STATE	P(W=1)	P(W=2)	P(W=3)	P(W=4)	STATE	P(W=1)	P(W=2)	P(W=3)	P(W=4)
0	-1.233399	0.123399	6	-36650705-00	0.999999	0	-8682777-03	0.000300	16	-8131587-01	0.895922	0	-3585939-07	0.003036	16	-6161117-02	0.0	0.919007	
1	-0.025252	0.526292	7	-16101317-00	1.000000	1	-8514148-06	0.000001	16	-5729293-01	0.943214	1	-1607107-02	0.000000	16	-6161117-02	0.0	0.815156	
2	-345100	0.870111	8	-52102822-00	0.999999	2	-1856516-04	0.000016	16	-2563079-03	0.969017	2	-1607107-02	0.000000	16	-6161117-02	0.0	0.814106	
3	-112622	0.982733	9	-22826160-10	1.000000	3	-1660516-02	0.000000	16	-1000000-00	0.999999	3	-1607107-02	0.000000	16	-6161117-02	0.0	0.814106	
4	-1633882-01	0.998870	10	-15136302-17	1.000000	4	-1959722-01	0.000015	16	-7811137-01	0.999971	4	-1610130-05	0.000000	16	-6161117-02	0.0	0.814106	
5	-109274-02	0.999963	11	-16119053-16	1.000000	5	-116151-01	0.016181	16	-2284626-02	0.997256	5	-1228567-03	0.000027	16	-6161117-02	0.0	0.919024	
6	-2272387-01	0.999711	12	-16030132-08	0.999999	6	-7367147-01	0.059773	16	-1261573-02	0.995502	6	-111545-15	0.000102	16	-6161117-02	0.0	0.919024	
7	-302277F-01	0.012023	7	-38233927-02	0.999953	7	-110524	0.210187	23	-3712817-03	0.999556	7	-655907-03	0.000598	20	-3712817-03	0.0	0.919024	
8	-1.998107-01	0.107204	8	-6293997-02	0.999965	8	-1675795	0.377782	20	-202272-02	0.999736	8	-3768977-02	0.005768	20	-1675795-01	0.0	0.915151	
9	-2.250525	0.357531	9	-328597-04	0.999997	9	-163746	0.561528	25	-1105552-03	0.999867	9	-167670-01	0.025154	20	-167670-01	0.0	0.915151	
10	-3.112751	0.670287	10	-1603242-06	0.999999	10	-125275	0.691010	26	-6213150-08	0.999927	10	-227115-01	0.051250	25	-117604-02	0.0	0.968786	
11	-2.396666	0.886945	11	-6363737-07	0.999999	11	-120501	0.816638	20	-3131524-05	0.999993	11	-348228-01	0.117288	10	-9136689-01	0.0	0.977395	
12	-5.088326-01	0.972997	12	-16030132-08	0.999999	12	-2272387-01	0.059771	16	-2977727-10	0.999999	12	-751112-01	0.151397	11	-764022-02	0.0	0.981967	
13	-6.2272387	0.999711	13	-2977727-10	0.999999	13	-337163-01	0.151397	11	-6091137-01	0.0	0.981967	13	-337163-01	0.151397	11	-6091137-01	0.0	0.981967
14	-889-30	-	-	-	-	0	-1797847-06	0.000000	16	-196105	0.808066	0	-1310403-01	0.0	0.248565	16	-196105-01	0.0	0.919007
15	-1.111771-02	0.001110	8	-21916577-01	0.999369	1	-2673627-06	0.003000	16	-7127887-01	0.878945	1	-1607107-02	0.000000	16	-111545-01	0.0	0.919007	
16	-1.142979-03	0.015384	9	-3226105-02	0.999825	2	-4993810-05	0.000005	16	-4647799-01	0.921517	2	-1607107-02	0.000000	16	-111545-01	0.0	0.919007	
17	-2.708077-01	0.036655	10	-1603242-06	0.999851	3	-532360-04	0.000008	16	-201276-01	0.952320	3	-1607107-02	0.000000	16	-111545-01	0.0	0.919007	
18	-1.174744	0.518442	11	-16030132-08	0.999999	4	-5379184-04	0.000211	16	-111545-01	0.0	0.919007	4	-2561363-01	0.161070	16	-1607107-01	0.0	0.995616
19	-2.251000	0.752436	12	-16030132-08	0.999999	5	-655993-02	0.000403	16	-997373-02	0.886156	5	-2358567-01	0.116832	16	-1607107-01	0.0	0.954624	
20	-1.351367	0.800023	13	-1044180-05	0.999999	6	-7031947-01	0.027518	21	-835275-02	0.992558	6	-2340857-01	0.019281	16	-997373-02	0.0	0.997087	
21	-7.677597-01	0.971763	15	-31468685-00	0.999999	7	-772321-01	0.167036	23	-1732807-02	0.997058	7	-2271858-01	0.0457619	16	-173231-01	0.0	0.997087	
22	-1.174744	0.518442	16	-16030132-08	0.999999	8	-116164	0.263180	23	-1032749-03	0.998150	8	-2172858-01	0.078703	16	-1607107-02	0.0	0.997087	
23	-1.156385	0.800023	17	-1044180-05	0.999999	9	-116563	0.080821	25	-1664829-03	0.999837	9	-207277-01	0.078703	16	-1607107-02	0.0	0.997087	
24	-1.156385	0.800023	18	-11052456-05	0.999999	10	-115945	0.562788	23	-9121922-03	0.999269	10	-191322-01	0.0	0.538050	16	-191322-01	0.0	0.997087
25	-1.156385	0.800023	19	-11052456-05	0.999999	11	-115945	0.670161	20	-674348-04	0.999986	11	-181519P-01	0.055684	16	-181519P-01	0.0	0.997087	
26	-889-50	-	-	-	-	0	-3861997-02	0.000000	16	-1330359P-01	0.915615	0	-162520P-01	0.0	0.248565	16	-1330359P-01	0.0	0.997087
27	-1.793150-02	0.000000	16	-2392019-01	0.935957	1	-150813-02	0.000002	20	-171665-01	0.956763	1	-150813-02	0.000000	20	-150813-02	0.0	0.997087	
28	-2.158731-05	0.000002	20	-171665-02	0.999801	2	-1839173-06	0.000020	20	-121279-01	0.963051	2	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
29	-1.132075	0.526262	21	-16030132-08	0.999999	3	-1386646-01	0.000160	22	-8789809-02	0.977667	3	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
30	-1.102169-03	0.030010	10	-19277978-01	0.995210	4	-1607107-02	0.000000	16	-1205609-02	0.988650	4	-1205609-02	0.000000	16	-1205609-02	0.0	0.997087	
31	-1.191875-02	0.020020	11	-16030132-08	0.999926	5	-155765-02	0.000002	25	-321529-02	0.991876	5	-1762472-01	0.0	0.570249	20	-191110P-01	0.0	0.997087
32	-1.187875-02	0.020020	12	-16030132-08	0.999926	6	-1.042029-02	0.000000	16	-1330359-02	0.991876	6	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
33	-1.187875-03	0.020020	13	-16030132-08	0.999926	7	-1.042029-02	0.000000	16	-1330359-02	0.991876	7	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
34	-1.187875-04	0.020020	14	-16030132-08	0.999926	8	-1.042029-02	0.000000	16	-1330359-02	0.991876	8	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
35	-1.187875-05	0.020020	15	-16030132-08	0.999926	9	-1.042029-02	0.000000	16	-1330359-02	0.991876	9	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
36	-1.187875-06	0.020020	16	-16030132-08	0.999926	10	-1.042029-02	0.000000	16	-1330359-02	0.991876	10	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
37	-1.187875-07	0.020020	17	-16030132-08	0.999926	11	-1.042029-02	0.000000	16	-1330359-02	0.991876	11	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
38	-1.187875-08	0.020020	18	-16030132-08	0.999926	12	-1.042029-02	0.000000	16	-1330359-02	0.991876	12	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
39	-1.187875-09	0.020020	19	-16030132-08	0.999926	13	-1.042029-02	0.000000	16	-1330359-02	0.991876	13	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
40	-1.187875-10	0.020020	20	-16030132-08	0.999926	14	-1.042029-02	0.000000	16	-1330359-02	0.991876	14	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
41	-1.187875-11	0.020020	21	-16030132-08	0.999926	15	-1.042029-02	0.000000	16	-1330359-02	0.991876	15	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
42	-1.187875-12	0.020020	22	-16030132-08	0.999926	16	-1.042029-02	0.000000	16	-1330359-02	0.991876	16	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
43	-1.187875-13	0.020020	23	-16030132-08	0.999926	17	-1.042029-02	0.000000	16	-1330359-02	0.991876	17	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
44	-1.187875-14	0.020020	24	-16030132-08	0.999926	18	-1.042029-02	0.000000	16	-1330359-02	0.991876	18	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
45	-1.187875-15	0.020020	25	-16030132-08	0.999926	19	-1.042029-02	0.000000	16	-1330359-02	0.991876	19	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
46	-1.187875-16	0.020020	26	-16030132-08	0.999926	20	-1.042029-02	0.000000	16	-1330359-02	0.991876	20	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
47	-1.187875-17	0.020020	27	-16030132-08	0.999926	21	-1.042029-02	0.000000	16	-1330359-02	0.991876	21	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
48	-1.187875-18	0.020020	28	-16030132-08	0.999926	22	-1.042029-02	0.000000	16	-1330359-02	0.991876	22	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
49	-1.187875-19	0.020020	29	-16030132-08	0.999926	23	-1.042029-02	0.000000	16	-1330359-02	0.991876	23	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
50	-1.187875-20	0.020020	30	-16030132-08	0.999926	24	-1.042029-02	0.000000	16	-1330359-02	0.991876	24	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
51	-1.187875-21	0.020020	31	-16030132-08	0.999926	25	-1.042029-02	0.000000	16	-1330359-02	0.991876	25	-1607107-02	0.000000	16	-1607107-02	0.0	0.997087	
52	-1.187875-22	0.020020	32	-16030132-08	0.999926	26	-1.042029-02	0.00000											

D/M/15 CDF OF WAITING TIME IN THE QUEUE

TIME T	P(BTC=0)														
BB0= .10				BB0= .65				BB0= .95				BB0= .95			
0.0	1.000000	0.0	0.997832	2.0	0.999058	0.0	0.729310	3.0	0.900722	0.0	0.553350	3.0	0.807700		
		0.1	0.992252	2.1	0.998231	0.1	0.730215	3.5	0.916005	0.1	0.560307	3.0	0.876706		
		0.2	0.990222	2.2	0.998409	0.2	0.731120	4.0	0.920937	0.2	0.572322	3.0	0.890505		
		0.3	0.989552	2.3	0.998509	0.3	0.731510	4.5	0.924931	0.3	0.581610	3.0	0.917777		
		0.4	0.981361	2.4	0.998663	0.4	0.731693	5.0	0.925132	0.4	0.582095	3.0	0.933268		
		0.5	0.992120	2.5	0.998782	0.5	0.730985	5.5	0.936558	0.5	0.607054	3.0	0.957764		
		0.6	0.992822	2.6	0.998811	0.6	0.728585	6.0	0.973936	0.6	0.617516	3.0	0.955932		
		0.7	0.993862	2.7	0.998909	0.7	0.725798	6.5	0.981132	0.7	0.623991	3.0	0.972559		
		0.8	0.994284	2.8	0.998930	0.8	0.724882	7.0	0.986645	0.8	0.623972	3.0	0.977000		
		0.9	0.994574	2.9	0.998940	0.9	0.724910	7.5	0.989647	0.9	0.621972	3.0	0.977000		
		1.0	0.999559	3.0	0.999327	1.0	0.726201	8.0	0.991557	1.0	0.626784	3.0	0.982100		
		1.1	0.999509	3.5	0.999527	1.1	0.812612	12.0	0.995171	1.1	0.629704	3.0	0.982100		
		1.2	0.999500	4.0	0.999700	1.2	0.810777	12.0	0.996696	1.2	0.630000	3.0	0.985500		
0.0	0.999999	0.3	0.999999	1.3	0.996266	4.5	0.999812	1.3	0.826733	12.0	0.997690	1.3	0.642270	3.0	0.987000
0.1	0.999999	0.4	0.999999	1.4	0.996559	5.0	0.999802	1.4	0.830996	15.0	0.998204	1.4	0.656900	3.0	0.992026
0.2	0.999999	1.0	0.999991	1.5	0.997034	5.5	0.999804	1.5	0.836876	16.0	0.998710	1.5	0.676427	3.0	0.993800
		1.6	0.997170	7.0	0.999999	1.6	0.840000	17.0	0.999800	1.6	0.683295	3.0	0.996201		
		1.7	0.997430	8.0	0.999993	1.7	0.846673	18.0	0.999803	1.7	0.690010	3.0	0.997313		
		1.8	0.997515	9.0	0.999997	1.8	0.851715	19.0	0.999805	1.8	0.700308	3.0	0.998062		
		1.9	0.997664	10.0	0.999999	1.9	0.855691	20.0	0.999802	1.9	0.709308	3.0	0.998777		
		BB0= .50				2.0	0.861006	21.0	0.999997	2.0	0.709982	3.0	0.999500		
		2.1	0.865867	24.0	0.999991	2.1	0.870257	24.0	0.999995	2.1	0.715512	3.0	0.999500		
		2.2	0.870257	26.0	0.999995	2.2	0.874543	26.0	0.999997	2.2	0.721551	3.0	0.999803		
		2.3	0.874543	27.0	0.999997	2.3	0.878660	28.0	0.999998	2.3	0.727061	3.0	0.999803		
		2.4	0.878660	28.0	0.999998	2.4	0.882558	32.0	0.999998	2.4	0.732026	3.0	0.999816		
		2.5	0.882558	32.0	0.999998	2.5	0.886516	36.0	0.999997	2.5	0.740451	3.0	0.999816		
		2.6	0.886516	36.0	0.999997	2.6	0.890267	36.0	0.999998	2.6	0.749875	3.0	0.999803		
		2.7	0.890267	37.0	0.999999	2.7	0.897387	38.0	0.999999	2.7	0.755185	3.0	0.999877		
		2.8	0.897387	38.0	0.999999	2.8	0.899999	39.0	0.999999	2.8	0.760282	3.0	0.999895		
		BB0= .55				2.9	0.899999	39.0	0.999999	2.9	0.763046	3.0	0.999999		
		3.0	0.899999	40.0	0.999999	3.0	0.899999	40.0	0.999999	3.0	0.765866	3.0	0.999999		
		3.1	0.899999	41.0	0.999999	3.1	0.899999	41.0	0.999999	3.1	0.767176	3.0	0.999999		
		3.2	0.899999	42.0	0.999999	3.2	0.899999	42.0	0.999999	3.2	0.768486	3.0	0.999999		
		3.3	0.899999	43.0	0.999999	3.3	0.899999	43.0	0.999999	3.3	0.769796	3.0	0.999999		
		3.4	0.899999	44.0	0.999999	3.4	0.899999	44.0	0.999999	3.4	0.771106	3.0	0.999999		
		3.5	0.899999	45.0	0.999999	3.5	0.899999	45.0	0.999999	3.5	0.772416	3.0	0.999999		
		3.6	0.899999	46.0	0.999999	3.6	0.899999	46.0	0.999999	3.6	0.773726	3.0	0.999999		
		3.7	0.899999	47.0	0.999999	3.7	0.899999	47.0	0.999999	3.7	0.775036	3.0	0.999999		
		3.8	0.899999	48.0	0.999999	3.8	0.899999	48.0	0.999999	3.8	0.776346	3.0	0.999999		
		3.9	0.899999	49.0	0.999999	3.9	0.899999	49.0	0.999999	3.9	0.777656	3.0	0.999999		
		4.0	0.899999	50.0	0.999999	4.0	0.899999	50.0	0.999999	4.0	0.778966	3.0	0.999999		
		4.1	0.899999	51.0	0.999999	4.1	0.899999	51.0	0.999999	4.1	0.780276	3.0	0.999999		
		4.2	0.899999	52.0	0.999999	4.2	0.899999	52.0	0.999999	4.2	0.781586	3.0	0.999999		
		4.3	0.899999	53.0	0.999999	4.3	0.899999	53.0	0.999999	4.3	0.782896	3.0	0.999999		
		4.4	0.899999	54.0	0.999999	4.4	0.899999	54.0	0.999999	4.4	0.784206	3.0	0.999999		
		4.5	0.899999	55.0	0.999999	4.5	0.899999	55.0	0.999999	4.5	0.785516	3.0	0.999999		
		4.6	0.899999	56.0	0.999999	4.6	0.899999	56.0	0.999999	4.6	0.786826	3.0	0.999999		
		4.7	0.899999	57.0	0.999999	4.7	0.899999	57.0	0.999999	4.7	0.788136	3.0	0.999999		
		4.8	0.899999	58.0	0.999999	4.8	0.899999	58.0	0.999999	4.8	0.789446	3.0	0.999999		
		4.9	0.899999	59.0	0.999999	4.9	0.899999	59.0	0.999999	4.9	0.790756	3.0	0.999999		
		5.0	0.899999	60.0	0.999999	5.0	0.899999	60.0	0.999999	5.0	0.792066	3.0	0.999999		
		5.1	0.899999	61.0	0.999999	5.1	0.899999	61.0	0.999999	5.1	0.793376	3.0	0.999999		
		5.2	0.899999	62.0	0.999999	5.2	0.899999	62.0	0.999999	5.2	0.794686	3.0	0.999999		
		5.3	0.899999	63.0	0.999999	5.3	0.899999	63.0	0.999999	5.3	0.796006	3.0	0.999999		
		5.4	0.899999	64.0	0.999999	5.4	0.899999	64.0	0.999999	5.4	0.797316	3.0	0.999999		
		5.5	0.899999	65.0	0.999999	5.5	0.899999	65.0	0.999999	5.5	0.798626	3.0	0.999999		
		5.6	0.899999	66.0	0.999999	5.6	0.899999	66.0	0.999999	5.6	0.800000	3.0	0.999999		
		5.7	0.899999	67.0	0.999999	5.7	0.899999	67.0	0.999999	5.7	0.801210	3.0	0.999999		
		5.8	0.899999	68.0	0.999999	5.8	0.899999	68.0	0.999999	5.8	0.802420	3.0	0.999999		
		5.9	0.899999	69.0	0.999999	5.9	0.899999	69.0	0.999999	5.9	0.803630	3.0	0.999999		
		6.0	0.899999	70.0	0.999999	6.0	0.899999	70.0	0.999999	6.0	0.804840	3.0	0.999999		
		6.1	0.899999	71.0	0.999999	6.1	0.899999	71.0	0.999999	6.1	0.806050	3.0	0.999999		
		6.2	0.899999	72.0	0.999999	6.2	0.899999	72.0	0.999999	6.2	0.807260	3.0	0.999999		
		6.3	0.899999	73.0	0.999999	6.3	0.899999	73.0	0.999999	6.3	0.808470	3.0	0.999999		
		6.4	0.899999	74.0	0.999999	6.4	0.899999	74.0	0.999999	6.4	0.809680	3.0	0.999999		
		6.5	0.899999	75.0	0.999999	6.5	0.899999	75.0	0.999999	6.5	0.810890	3.0	0.999999		
		6.6	0.899999	76.0	0.999999	6.6	0.899999	76.0	0.999999	6.6	0.812100	3.0	0.999999		
		6.7	0.899999	77.0	0.999999	6.7	0.899999	77.0	0.999999	6.7	0.813310	3.0	0.999999		
		6.8	0.899999	78.0	0.999999	6.8	0.899999	78.0	0.999999	6.8	0.814520	3.0	0.999999		
		6.9	0.899999	79.0	0.999999	6.9	0.899999	79.0	0.999999	6.9	0.815730	3.0	0.999999		
		7.0	0.899999	80.0	0.999999	7.0	0.899999	80.0	0.999999	7.0	0.816940	3.0	0.999999		
		7.1	0.899999	81.0	0.999999	7.1	0.899999	81.0	0.999999	7.1	0.818150	3.0	0.999999		
		7.2	0.899999	82.0	0.999999	7.2	0.899999	82.0	0.999999	7.2	0.819360	3.0	0.999999		
		7.3	0.899999	83.0	0.999999	7.3	0.899999	83.0	0.999999	7.3	0.820570	3.0	0.999999		
		7.4	0.899999	84.0	0.999999	7.4	0.899999	84.0	0.999999	7.4	0.821780	3.0	0.999999		
		7.5	0.899999	85.0	0.999999	7.5	0.899999	85.0	0.999999	7.5	0.823000	3.0	0.999999		
		7.6	0.899999	86.0	0.999999	7.6	0.899999	86.0	0.999999	7.6	0.824210	3.0	0.999999		
		7.7	0.899999	87.0	0.999999	7.7	0.899999	87.0	0.999999	7.7	0.825420	3.0	0.999999		
		7.8	0.899999	88.0	0.999999	7.8	0.899999	88.0	0.999999	7.8	0.826630	3.0	0.999999		
		7.9	0.899999	89.0	0.999999	7.9	0.899999	89.0	0.999999	7.9	0.827840	3.0	0.999999		
		8.0	0.899999	90.0	0.999999	8.0	0.899999	90.0							

Tables for the D/E₂/2 Queueing System

The Model: Individual customers arrive at constant intervals; service times have an Erlang distribution with the shape parameter equal to 2. 2 servers operate in parallel.

Notation: See Section 1.2.

Tables Included: L_q , $P(N = I)$ and $P(N \leq I)$, $P(WT \leq T)$.

EXPECTED LENGTH OF QUEUE FOR D/E₂/2**RHO**

0.10	0.00000
0.20	0.0000041003
0.30	0.00048981
0.40	0.0058345
0.50	0.028938
0.55	0.054288
0.60	0.094775
0.65	0.15727
0.70	0.25249
0.75	0.39888
0.80	0.63255
0.85	1.0370
0.90	1.8609
0.95	4.3578
0.98	11.858
0.99	24.357

D/E2/2 CDF OF NUMBER IN SYSTEM

STATE	T	P(H=1)	P(H<=1)	STATE	T	P(H=1)	P(H<=1)	STATE	T	P(H=1)	P(H<=1)	STATE	T	P(H=1)	P(H<=1)	
RHO<.10																
0 .400000	3.402252	5 .0	1.000000	0 .10778	0 .10778	18 .944397E-06	0 .999999	0 .120812E-01	0 .311349	56 .979639E-01	0 .944e+11	0 .120812E-01	0 .311349	56 .979639E-01	0 .944e+11	
.194900	3.244495	7 .0	1.000000	0 .271011	0 .271011	15 .102014E-05	0 .999999	0 .107016E-01	0 .260414	40 .107016E-01	0 .944e+11	0 .107016E-01	0 .260414	40 .107016E-01	0 .944e+11	
1 .19256E-04	3.192030	9 .0	1.000000	2 .381391	0 .732326	12 .502525E-07	0 .999999	0 .656089E-01	0 .172426	62 .161617E-01	0 .944e+11	0 .656089E-01	0 .172426	62 .161617E-01	0 .944e+11	
1 .0	1.300000	10 .0	1.000000	1 .374559	0 .506935	17 .904617E-08	0 .999999	0 .656089E-01	0 .214463	62 .511517E-01	0 .944e+11	0 .656089E-01	0 .214463	62 .511517E-01	0 .944e+11	
1 .0	1.300000	12 .0	1.000000	4 .669090E-01	0 .973065	14 .270082E-08	0 .999999	0 .512555E-01	0 .275739	66 .814498E-01	0 .944e+11	0 .512555E-01	0 .275739	66 .814498E-01	0 .944e+11	
1 .0	1.300000	11 .0	1.000000	5 .166166E-01	0 .962323	19 .905165E-09	0 .999999	0 .512555E-01	0 .304194	66 .814498E-01	0 .944e+11	0 .512555E-01	0 .304194	66 .814498E-01	0 .944e+11	
1 .0	1.300000	11 .0	1.000000	7 .166166E-02	0 .993234	21 .715152E-10	0 .999999	0 .512555E-01	0 .321112	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .321112	75 .109574E-01	0 .944e+11	
1 .0	1.300000	10 .0	1.000000	8 .495026E-01	0 .997686	22 .212405E-10	0 .999999	0 .512555E-01	0 .340407	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .340407	75 .109574E-01	0 .944e+11	
1 .0	1.300000	9 .0	1.000000	9 .78777E-01	0 .999916	23 .412229E-11	0 .999999	0 .482229E-01	0 .361745	85 .411154E-01	0 .944e+11	0 .482229E-01	0 .361745	85 .411154E-01	0 .944e+11	
1 .0	1.300000	8 .0	1.000000	10 .10570E-01	0 .999916	24 .108226E-11	0 .999999	0 .482229E-01	0 .381072	85 .411154E-01	0 .944e+11	0 .482229E-01	0 .381072	85 .411154E-01	0 .944e+11	
1 .0	1.300000	7 .0	1.000000	11 .330570E-01	0 .999933	25 .164797E-12	0 .999999	0 .482229E-01	0 .400400	85 .411154E-01	0 .944e+11	0 .482229E-01	0 .400400	85 .411154E-01	0 .944e+11	
1 .0	1.300000	6 .0	1.000000	12 .388662E-05	0 .999993	26 .165797E-12	0 .999999	0 .482229E-01	0 .419727	85 .411154E-01	0 .944e+11	0 .482229E-01	0 .419727	85 .411154E-01	0 .944e+11	
1 .0	1.300000	5 .0	1.000000	13 .119706E-05	0 .999993	27 .130985E-05	0 .999999	0 .482229E-01	0 .439044	100 .276117E-01	0 .944e+11	0 .482229E-01	0 .439044	100 .276117E-01	0 .944e+11	
1 .0	1.300000	4 .0	1.000000	14 .330330	0 .999993	28 .100000	0 .999999	0 .482229E-01	0 .458361	105 .184421E-01	0 .944e+11	0 .482229E-01	0 .458361	105 .184421E-01	0 .944e+11	
1 .0	1.300000	3 .0	1.000000	15 .101557	0 .999993	29 .100000	0 .999999	0 .482229E-01	0 .477678	110 .184421E-01	0 .944e+11	0 .482229E-01	0 .477678	110 .184421E-01	0 .944e+11	
RHO>.10																
0 .800000	3.404015	2 .1956108E-20	1.000000	0 .10778	0 .10778	18 .944397E-06	0 .999999	0 .120812E-01	0 .311349	56 .979639E-01	0 .944e+11	0 .120812E-01	0 .311349	56 .979639E-01	0 .944e+11	
.194900	3.244495	3 .273608E-20	1.000000	0 .271011	0 .271011	15 .102014E-05	0 .999999	0 .107016E-01	0 .260414	40 .107016E-01	0 .944e+11	0 .107016E-01	0 .260414	40 .107016E-01	0 .944e+11	
1 .19256E-04	3.192030	4 .273608E-20	1.000000	1 .305731	0 .847670	17 .517752E-06	0 .999999	0 .656089E-01	0 .172426	62 .161617E-01	0 .944e+11	0 .656089E-01	0 .172426	62 .161617E-01	0 .944e+11	
1 .0	1.300000	5 .199345	11 .0	1.000000	1 .375527	0 .973065	18 .216071E-05	0 .999999	0 .512555E-01	0 .214463	66 .814498E-01	0 .944e+11	0 .512555E-01	0 .214463	66 .814498E-01	0 .944e+11
1 .0	1.300000	6 .0	1.000000	1 .375527	0 .973065	19 .1130570E-05	0 .999999	0 .512555E-01	0 .233782	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .233782	75 .109574E-01	0 .944e+11	
1 .0	1.300000	7 .0	1.000000	1 .375527	0 .973065	20 .111717E-05	0 .999999	0 .512555E-01	0 .253101	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .253101	75 .109574E-01	0 .944e+11	
1 .0	1.300000	8 .0	1.000000	1 .375527	0 .973065	21 .110520E-05	0 .999999	0 .512555E-01	0 .272420	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .272420	75 .109574E-01	0 .944e+11	
1 .0	1.300000	9 .0	1.000000	1 .375527	0 .973065	22 .109423E-05	0 .999999	0 .512555E-01	0 .291740	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .291740	75 .109574E-01	0 .944e+11	
1 .0	1.300000	10 .0	1.000000	1 .375527	0 .973065	23 .108326E-05	0 .999999	0 .512555E-01	0 .311059	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .311059	75 .109574E-01	0 .944e+11	
1 .0	1.300000	11 .0	1.000000	1 .375527	0 .973065	24 .107229E-05	0 .999999	0 .512555E-01	0 .330378	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .330378	75 .109574E-01	0 .944e+11	
1 .0	1.300000	12 .0	1.000000	1 .375527	0 .973065	25 .106132E-05	0 .999999	0 .512555E-01	0 .349697	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .349697	75 .109574E-01	0 .944e+11	
RHO=.10																
0 .950000	3.404015	2 .1956108E-20	1.000000	0 .10778	0 .10778	18 .944397E-06	0 .999999	0 .120812E-01	0 .311349	56 .979639E-01	0 .944e+11	0 .120812E-01	0 .311349	56 .979639E-01	0 .944e+11	
.194900	3.244495	3 .273608E-20	1.000000	0 .271011	0 .271011	15 .102014E-05	0 .999999	0 .107016E-01	0 .260414	40 .107016E-01	0 .944e+11	0 .107016E-01	0 .260414	40 .107016E-01	0 .944e+11	
1 .19256E-04	3.192030	4 .273608E-20	1.000000	1 .305731	0 .847670	17 .517752E-06	0 .999999	0 .656089E-01	0 .172426	62 .161617E-01	0 .944e+11	0 .656089E-01	0 .172426	62 .161617E-01	0 .944e+11	
1 .0	1.300000	5 .199345	11 .0	1.000000	1 .375527	0 .973065	18 .216071E-05	0 .999999	0 .512555E-01	0 .214463	66 .814498E-01	0 .944e+11	0 .512555E-01	0 .214463	66 .814498E-01	0 .944e+11
1 .0	1.300000	6 .0	1.000000	1 .375527	0 .973065	19 .1130570E-05	0 .999999	0 .512555E-01	0 .233782	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .233782	75 .109574E-01	0 .944e+11	
1 .0	1.300000	7 .0	1.000000	1 .375527	0 .973065	20 .111717E-05	0 .999999	0 .512555E-01	0 .253101	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .253101	75 .109574E-01	0 .944e+11	
1 .0	1.300000	8 .0	1.000000	1 .375527	0 .973065	21 .110520E-05	0 .999999	0 .512555E-01	0 .272420	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .272420	75 .109574E-01	0 .944e+11	
1 .0	1.300000	9 .0	1.000000	1 .375527	0 .973065	22 .109423E-05	0 .999999	0 .512555E-01	0 .291740	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .291740	75 .109574E-01	0 .944e+11	
1 .0	1.300000	10 .0	1.000000	1 .375527	0 .973065	23 .108326E-05	0 .999999	0 .512555E-01	0 .311059	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .311059	75 .109574E-01	0 .944e+11	
1 .0	1.300000	11 .0	1.000000	1 .375527	0 .973065	24 .107229E-05	0 .999999	0 .512555E-01	0 .330378	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .330378	75 .109574E-01	0 .944e+11	
1 .0	1.300000	12 .0	1.000000	1 .375527	0 .973065	25 .106132E-05	0 .999999	0 .512555E-01	0 .349697	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .349697	75 .109574E-01	0 .944e+11	
RHO=.15																
0 .950000	3.404015	2 .1956108E-20	1.000000	0 .10778	0 .10778	18 .944397E-06	0 .999999	0 .120812E-01	0 .311349	56 .979639E-01	0 .944e+11	0 .120812E-01	0 .311349	56 .979639E-01	0 .944e+11	
.194900	3.244495	3 .273608E-20	1.000000	0 .271011	0 .271011	15 .102014E-05	0 .999999	0 .107016E-01	0 .260414	40 .107016E-01	0 .944e+11	0 .107016E-01	0 .260414	40 .107016E-01	0 .944e+11	
1 .19256E-04	3.192030	4 .273608E-20	1.000000	1 .305731	0 .847670	17 .517752E-06	0 .999999	0 .656089E-01	0 .172426	62 .161617E-01	0 .944e+11	0 .656089E-01	0 .172426	62 .161617E-01	0 .944e+11	
1 .0	1.300000	5 .199345	11 .0	1.000000	1 .375527	0 .973065	18 .216071E-05	0 .999999	0 .512555E-01	0 .214463	66 .814498E-01	0 .944e+11	0 .512555E-01	0 .214463	66 .814498E-01	0 .944e+11
1 .0	1.300000	6 .0	1.000000	1 .375527	0 .973065	19 .1130570E-05	0 .999999	0 .512555E-01	0 .233782	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .233782	75 .109574E-01	0 .944e+11	
1 .0	1.300000	7 .0	1.000000	1 .375527	0 .973065	20 .111717E-05	0 .999999	0 .512555E-01	0 .253101	75 .109574E-01	0 .944e+11	0 .512555E-01	0 .253101	75 .109574E-01	0 .944e+11	
1 .0	1.300000	8 .0	1.000000	1 .375527	0 .973065	21 .110520E-05	0 .999999	0 .512555								

D/E₂/2 CDF OF WAITING TIME IN THE QUEUE

T	P(WT<T)	T	P(WT<T)	T	P(WT<T)	T	P(WT<T)	T	P(WT<T)	T	P(WT<T)
RHO=0.10											
0	0.999999	1	1.000000	0	0.806328	6	0.999832	0	0.293257	10	0.984689
				1	0.934771	7	0.999950	1	0.508228	11	0.989594
RHO=0.20											
0	0.999980	2	0.999999	2	0.979470	8	0.999985	2	0.664083	12	0.992928
1	0.999996	3	0.999999	3	0.993734	9	0.999996	3	0.771459	13	0.995193
				4	0.998115	10	0.999999	4	0.844642	14	0.996733
				5	0.999437	11	1.000000	5	0.894409	15	0.997780
RHO=0.30											
0	0.998418	3	0.999990	0	0.732038	7	0.999818	7	0.951227	17	0.998975
1	0.999697	4	0.999998	1	0.897958	8	0.999937	8	0.966852	18	0.999303
2	0.999945	5	0.999999	2	0.963402	9	0.999978	RHO=0.95			
				3	0.987186	10	0.999993	4	0.995557	11	0.999997
RHO=0.40											
0	0.986204	4	0.999978	5	0.998465	12	0.999999	0	0.151783	10	0.879705
1	0.997037	5	0.999995	6	0.999471	13	1.000000	1	0.295737	11	0.901176
2	0.999404	6	0.999999	RHO=0.75				2	0.420343	12	0.918815
3	0.999885	7	1.000000	3	0.987222	8	0.999720	3	0.523650	13	0.933306
				4	0.844619	9	0.999887	4	0.608651	14	0.945210
RHO=0.50											
0	0.947422	4	0.999855	5	0.935653	10	0.999955	5	0.678500	15	0.954989
1	0.986891	5	0.999969	3	0.973819	11	0.999982	6	0.735884	16	0.963023
2	0.996970	6	0.999993	4	0.989413	12	0.999993	7	0.783026	17	0.969623
3	0.999330	7	0.999999	5	0.995728	13	0.999997	8	0.821753	18	0.975045
				6	0.998278	14	0.999999	9	0.853568	19	0.979499
RHO=0.55											
0	0.913026	5	0.999919	RHO=0.80				0	0.061863	10	0.574187
1	0.976290	6	0.999981	0	0.540039	10	0.999703	1	0.130062	11	0.606714
2	0.994010	7	0.999996	1	0.768317	11	0.999859	2	0.196006	12	0.636756
3	0.998549	8	0.999999	2	0.887858	12	0.999933	3	0.257348	13	0.664504
4	0.999657	9	1.000000	3	0.946369	13	0.999968	4	0.314068	14	0.690132
				4	0.974443	14	0.999985	5	0.366464	15	0.713802
RHO=0.60											
0	0.866399	5	0.999789	5	0.987835	15	0.999993	6	0.414859	16	0.735664
1	0.959745	6	0.999945	6	0.994211	16	0.999997	7	0.459557	17	0.755856
2	0.988728	7	0.999986	6	0.997245	17	0.999998	RHO=0.99			
3	0.996959	8	0.999996	8	0.998689	18	0.999999	8	0.500840	18	0.774506
4	0.999195	9	0.999999	9	0.999376	19	1.000000	9	0.538970	19	0.791731
				RHO=0.85				9	0.538970	19	0.791731
RHO=0.65											
0	0.423072	10	0.997933	4	0.172030	14	0.444254				
1	0.660222	11	0.998829	5	0.204389	15	0.465973				
2	0.805613	12	0.999337	6	0.235483	16	0.486844				
3	0.889617	13	0.999624	7	0.265362	17	0.506900				
4	0.937437	14	0.999787	8	0.294074	18	0.526171				
5	0.964556	15	0.999879	9	0.321663	19	0.544689				
				6	0.979922	16	0.999932				
				7	0.988627	17	0.999961				
				8	0.993558	18	0.999978				
				9	0.996351	19	0.999988				

Tables for the M/E₂/2 Queueing System

The Model: Customers arrive randomly, i.e., according to a Poisson process
(exponential distribution of interarrival times);
service times have an Erlang distribution with the shape
parameter equal to 2;
2 servers operate in parallel.

Notation: See Section 1.2.

Tables Included: L_q , $P(N = I)$ and $P(N \leq I)$, $P(WT \leq T)$.

EXPECTED LENGTH OF QUEUE FOR M/E₂/2

RHO	
0.10	0.0016136
0.20	0.013134
0.30	0.046254
0.40	0.11772
0.50	0.25564
0.55	0.36470
0.60	0.51451
0.65	0.72305
0.70	1.0200
0.75	1.4593
0.80	2.1478
0.85	3.3358
0.90	5.7732
0.95	13.210
0.98	35.672
0.99	73.159

M/E2/2 COF OF NUMBER IN SYSTEM

STATE	PIN+1	PIN+2	PIN+3	PIN+4	STATE	PIN+1	PIN+2	PIN+3	PIN+4	STATE	PIN+1	PIN+2	PIN+3	PIN+4	STATE	PIN+1	PIN+2	PIN+3	PIN+4	STATE	PIN+1	PIN+2	PIN+3	PIN+4	
RHO=1.0																									
C_0.917975	0.919295	6.910752E-06	0.999332	1	0.14C154	C_140156	14	-224809F-02	0.995016	C_0.976453F-C2	C_0.99747	56	-404602F-02	G_778503											
1_1.183805	0.891906	7.362273E-07	G_0.99933	1	1.219692	0.739846	15	-15.16483E-02	0.995582	1_2.0285E-01	C_0.90233	58	-577151F-02	G_762168											
2_1.660755-C1	0.909504	2.252337E-06	0.99999	1	-1.86969	0.56669	16	-107512E-02	0.997857	3_2.1936E-01	C_0.903992	60	-502425E-02	G_801011											
3_1.380842-C2	0.909504	9.156403E-06	0.99999	1	-1.58668	0.651501	17	-736797E-02	0.996335	3_2.1936E-01	C_0.903992	62	-515007E-02	G_811526											
4_1.042246-C3	0.90999	10.462270E-01	0.99999	1	-0.787575E-01	0.703054	18	-105017E-02	0.996899	4_2.240E-01	C_0.902262	64	-485355E-02	G_803075											
5_7.741925-C5	0.909999	11.602159E-02	0.99999	1	-0.67918E-01	0.850576	19	-102137E-02	0.996425	5_2.1746E-01	C_0.902262	66	-437377E-02	G_803755											
RHO=2.0																									
0_6.666194	0.866194	7.447812E-05	0.999938	1	1.151153	C_1.467052	23	7645616E-06	0.995631	0_2.13934E-C1	C_215522	50	-316847F-02	G_808513											
1_2.676732	0.893316	8.278746E-05	1.000030	1	1.034226	C_0.977415	24	-92.075E-05	0.995866	1_2.27375E-C1	C_2.256671	52	-215192E-02	G_822262											
2_5.90725E-01	0.898888	8.873171E-02	1.002333	1	1.710370	C_0.984515	25	359218E-05	0.996922	2_1.21213E-01	C_2.295585	54	-196939E-02	G_832321											
3_0.931177-C2	0.909278	10.120843E-07	1.000030	1	-1.68991E-C2	C_0.989188	26	-246273E-06	0.99955	3_1.19213E-01	C_1.716249	56	-101620E-02	G_907335											
4_1.167162-E0	0.898745	11.166843E-04	1.000030	1	1.33379E-C2	C_0.992727	27	345682E-05	0.99988	4_1.20204E-P1	C_0.332767	58	-141275E-01	G_956191											
5_2.18342E-C3	0.909993	12.229641E-09	1.000033	1	RHO=2.00																				
6_3.15981E-04	0.909995	13.315597E-10	1.000036	1	RHO=3.0																				
0_5.577232	0.557723	R_-1.72739E-06	0.999995	1	2.167250	0.455955	16	396857E-02	0.991026	0_1.63673E-P1	C_0.050586	50	-82418E-03	G_0.584239	125	-439539E-03	G_0.965397								
1_3.725354	0.862677	9.383345E-05	0.999933	1	1.026350	0.695150	17	2.729410E-02	0.993307	1_1.59132E-C1	C_1.61449	52	-707099E-01	G_0.973359											
2_1.027263	0.908747	10.849336E-06	1.000000	1	1.172545	0.000000	18	1.70464E-02	0.995012	2_1.07044E-01	C_0.97628	54	-155009E-03	G_0.979783											
3_2.67992E-C1	0.909154	11.17456E-07	1.000000	1	1.375251	0.239307	20	-166493E-02	0.997229	3_1.16797E-C1	C_1.671749	56	-124005E-02	G_0.98233											
4_1.516715-C2	0.909555	13.91246E-08	1.000000	1	-0.36194E-01	0.950495	21	-706213E-02	0.997935	4_1.29101E-F1	C_0.68703	58	-107006E-03	G_0.984560											
5_3.64496E-C3	0.909997	14.201318E-09	1.000003	1	-0.40122E-C1	C_0.924717	22	-23.2018E-03	0.998583	5_1.15364E-01	C_0.503029	60	-321413E-03	G_0.986246											
6_7.77453E-C4	0.909975	15.443988E-09	1.000003	1	1.70494E-01	C_0.847615	23	-2.92.2303E-05	0.998164	6_1.11814E-01	C_0.216171	62	-241150E-03	G_0.98686											
RHO=4.00																									
0_6.266536	0.426698	10.176407E-06	G_0.993323	1	0.176407	0.996056	24	21.7808E-03	0.995533	0_1.28105E-01	C_0.522952	52	-15.2675E-03	G_0.990003											
1_3.66623	0.777314	11.552028E-05	0.99997	1	1.74112E-C2	C_0.97831	25	-5.00747E-06	0.999856	1_2.12940E-C1	C_0.941953	54	-16.2152E-03	G_0.992117											
2_1.47675	0.820779	12.175152E-05	0.99999	1	1.167250	0.000000	26	-162339E-03	0.999525	2_1.11787E-03	C_0.951030	56	-11.8364E-03	G_0.993975											
3_5.93725E-01	0.973304	13.536450E-06	0.99999	1	1.167250	0.000000	27	-1.727707E-02	0.999305	3_1.12162E-02	C_0.952267	58	-1.60144E-02	G_0.993953											
4_1.77657E-C1	G_0.951578	16.166720E-06	0.99999	1	1.167250	0.000000	28	-1.700772E-C1	C_0.797077	4_1.10418E-02	C_0.979190	59	-1.62636E-02	G_0.997451											
5_5.75723E-C2	0.907331	15.519252E-05	0.99999	1	-1.61806	0.220923	29	-1.602026E-02	C_0.983212	5_1.06246E-02	C_0.610276	60	-1.629514E-02	G_0.995194											
6_1.80274E-C3	0.909160	16.161486E-07	0.99999	1	1.339382	0.362051	30	-32.4744E-02	0.986657	6_1.10346E-02	C_0.612726	62	-1.659514E-02	G_0.994561											
7_5.76524E-C3	0.909973	17.504726E-06	0.99999	1	1.201818	0.480439	31	-21.1167E-02	0.991158	7_1.00870E-02	C_0.980776	64	-1.69994E-02	G_0.998735											
8_1.80739E-C9	0.909914	18.157330E-08	0.99999	1	1.993672E-C1	C_0.579928	32	-1.70354E-02	0.992859	8_1.00845E-02	C_0.980551	66	-1.70989E-02	G_0.998851											
9_5.96571E-04	0.909974	19.490232E-09	0.99999	1	1.117116	C_0.550867	33	-1.604226E-02	0.995554	9_1.04622E-02	C_0.982263	68	-1.730720E-02	G_0.998853											
RHO=5.00																									
0_3.304927	0.330878	11.751505E-06	0.999348	1	1.244662	C_0.595262	25	-2.63359E-02	0.996243	0_1.244662	C_0.595262	26	-2.63359E-02	0.996243	29	-12.7409E-02	C_0.992117								
1_3.37346	0.669173	12.309332E-06	G_0.999373	1	1.202046	C_0.595346	27	-1.202046E-02	0.997004	1_2.12952E-01	C_0.595191	30	-1.217705E-02	G_0.993103											
2_1.8137	0.652757	13.126286E-06	0.999921	1	1.420304	0.999921	31	-1.202046E-02	0.999921	2_1.202046E-01	C_0.999921	32	-1.202046E-02	G_0.999921											
3_1.78746	0.652757	13.9736E-06	0.999921	1	1.420304	0.999921	33	-1.202046E-02	0.999921	3_1.202046E-01	C_0.999921	34	-1.202046E-02	G_0.999921											
4_1.59457E-01	0.609167	14.5736E-06	0.999921	1	1.420304	0.999921	35	-1.202046E-02	0.999921	4_1.202046E-01	C_0.999921	36	-1.202046E-02	G_0.999921											
5_1.604218	0.609167	15.1097E-06	0.999921	1	1.420304	0.999921	37	-1.202046E-02	0.999921	5_1.202046E-01	C_0.999921	38	-1.202046E-02	G_0.999921											
6_1.62727	0.609167	15.1957E-06	0.999921	1	1.420304	0.999921	39	-1.202046E-02	0.999921	6_1.202046E-01	C_0.999921	40	-1.202046E-02	G_0.999921											
7_1.62727	0.609167	15.2027E-06	0.999921	1	1.420304	0.999921	41	-1.202046E-02	0.999921	7_1.202046E-01	C_0.999921	42	-1.202046E-02	G_0.999921											
8_1.62727	0.609167	15.2027E-06	0.999921	1	1.420304	0.999921	43	-1.202046E-02	0.999921	8_1.202046E-01	C_0.999921	44	-1.202046E-02	G_0.999921											
9_1.62727	0.609167	15.2027E-06	0.999921	1	1.420304	0.999921	45	-1.202046E-02	0.999921	9_1.202046E-01	C_0.999921	46	-1.202046E-02	G_0.999921											
10_1.62727	0.609167	15.2027E-06	0.999921	1	1.420304	0.999921	47	-1.202046E-02	0.999921	10_1.202046E-01	C_0.999921	48	-1.202046E-02	G_0.999921											
11_1.62727	0.609167	15.2027E-06	0.999921	1	1.420304	0.999921	49	-1.202046E-02	0.999921	11_1.202046E-01	C_0.999921	50	-1.202046E-02	G_0.999921											
12_1.62727	0.609167	15.2027E-06	0.999921	1	1.420304	0.999921	51	-1.202046E-02	0.999921	12_1.202046E-01	C_0.999921	52	-1.202046E-02	G_0.999921											
RHO=6.00																									
0_4.271274	0.247124	13.184754E-03	C_0.999586	1	1.15928E-01	C_0.993372	53	-2.62702E-03	0.998306	0_1.203119E-01	C_2.0517	55	-12.0797E-02	C_0.997577											
1_1.505752	0.247124	13.184754E-03	C_0.999586	1	1.15928E-01	C_0.993372	56	-1.202046E-02	0.999055	1_1.202046E-01	C_2.0517	57	-1.202046E-02	C_0.997577											

M/E2/2 CDF OF WAITING TIME IN THE QUEUE

T	P(WT>T)	T	P(WT>T)	T	P(WT>T)	T	P(WT>T)	T	P(WT>T)	T	P(WT>T)	T	P(WT>T)	T	P(WT>T)
BINS = 10															
0.0	0.981903	1.9	0.999529	0.0	0.552875	2.6	0.885226	0.0	0.220923	4.0	0.645056	0.0	0.102154	18.0	0.847617
0.1	0.981903	2.0	0.999529	0.1	0.511291	2.7	0.891882	0.1	0.211015	4.1	0.647987	0.1	0.102154	18.1	0.848739
0.2	0.985019	2.1	0.999693	0.2	0.488717	2.8	0.897403	0.2	0.207878	4.2	0.651163	0.2	0.103627	18.2	0.851163
0.3	0.986467	2.2	0.999681	0.3	0.465241	2.9	0.903037	0.3	0.205616	4.3	0.671795	0.3	0.104136	18.3	0.859484
0.4	0.987409	2.3	0.999843	0.4	0.442940	3.0	0.908102	0.4	0.201192	4.4	0.686669	0.4	0.104491	18.4	0.711987
0.5	0.988199	2.4	0.999851	0.5	0.420551	3.1	0.910767	0.5	0.198649	4.5	0.691217	0.5	0.104707	18.5	0.717077
0.6	0.989140	2.5	0.999820	0.6	0.398672	3.2	0.917779	0.6	0.196155	4.6	0.698797	0.6	0.105008	18.6	0.721116
0.7	0.991215	2.6	0.999216	0.7	0.376821	3.3	0.920766	0.7	0.193770	4.7	0.705491	0.7	0.105394	18.7	0.727629
0.8	0.992175	2.7	0.999135	0.8	0.354385	3.4	0.926266	0.8	0.191767	4.8	0.712174	0.8	0.104914	18.8	0.735282
0.9	0.993192	2.8	0.999042	0.9	0.330881	3.5	0.930108	0.9	0.189327	4.9	0.719334	0.9	0.104279	18.9	0.742764
1.0	0.994149	2.9	0.998950	1.0	0.307389	3.6	0.934532	1.0	0.185473	5.0	0.724219	1.0	0.103711	19.0	0.749494
1.1	0.994917	3.0	0.998663	1.1	0.283791	3.7	0.938989	1.1	0.181651	5.1	0.730218	1.1	0.105566	19.1	0.755328
1.2	0.995160	3.1	0.999784	1.2	0.260511	3.8	0.943211	1.2	0.176615	5.2	0.736579	1.2	0.105118	19.2	0.768120
1.3	0.995725	3.2	0.999840	1.3	0.236511	3.9	0.947679	1.3	0.170679	5.3	0.741776	1.3	0.106579	19.3	0.779665
1.4	0.996111	3.3	0.999874	1.4	0.212690	4.0	0.951910	1.4	0.168375	5.4	0.747855	1.4	0.107226	19.4	0.784236
1.5	0.996442	3.4	0.999875	1.5	0.188740	4.1	0.956028	1.5	0.164224	5.5	0.753247	1.5	0.105557	19.5	0.790437
1.6	0.997347	3.5	0.999999	1.6	0.164063	4.2	0.960060	1.6	0.160377	5.6	0.759494	1.6	0.106792	19.6	0.793294
1.7	0.997551	3.6	0.999999	1.7	0.140463	4.3	0.964115	1.7	0.156185	5.7	0.765750	1.7	0.107016	19.7	0.794564
BINS = 20															
0.0	0.993816	4.0	0.997693	0.0	0.498947	4.0	0.999940	0.0	0.490917	4.1	0.999155	0.0	0.372495	12.0	0.862627
0.1	0.994003	4.1	0.998030	0.1	0.474777	4.1	0.999940	0.1	0.484178	4.2	0.999155	0.1	0.372793	12.1	0.867610
0.2	0.994111	4.2	0.998096	0.2	0.450507	4.2	0.999940	0.2	0.497723	4.3	0.999155	0.2	0.373055	12.2	0.871160
0.3	0.994893	4.3	0.994223	0.3	0.426371	4.3	0.999988	0.3	0.494192	4.4	0.998219	0.3	0.374962	12.3	0.886882
0.4	0.995145	4.4	0.994872	0.4	0.398635	4.4	0.999999	0.4	0.499815	4.5	0.997617	0.4	0.375716	12.4	0.894957
0.5	0.995270	4.5	0.995050	0.5	0.374947	4.5	0.999988	0.5	0.501407	4.6	0.997357	0.5	0.376157	12.5	0.898137
0.6	0.995314	4.6	0.995096	0.6	0.351188	4.6	0.999985	0.6	0.502455	4.7	0.997059	0.6	0.376791	12.6	0.898780
0.7	0.995414	4.7	0.995194	0.7	0.327415	4.7	0.999985	0.7	0.503451	4.8	0.996956	0.7	0.377197	12.7	0.899780
0.8	0.995514	4.8	0.995194	0.8	0.303610	4.8	0.999985	0.8	0.504351	4.9	0.996750	0.8	0.377571	12.8	0.899945
0.9	0.995614	4.9	0.995194	0.9	0.279815	4.9	0.999985	0.9	0.505351	5.0	0.996556	0.9	0.377971	12.9	0.899953
1.0	0.995714	5.0	0.995194	1.0	0.256010	5.0	0.999985	1.0	0.506351	5.1	0.996356	1.0	0.378371	13.0	0.899956
1.1	0.995814	5.1	0.995194	1.1	0.232215	5.1	0.999985	1.1	0.507351	5.2	0.996156	1.1	0.378771	13.1	0.899953
1.2	0.995914	5.2	0.995194	1.2	0.208415	5.2	0.999985	1.2	0.508351	5.3	0.995956	1.2	0.379171	13.2	0.899952
1.3	0.996014	5.3	0.995194	1.3	0.184610	5.3	0.999985	1.3	0.509351	5.4	0.995756	1.3	0.379571	13.3	0.899951
1.4	0.996114	5.4	0.995194	1.4	0.160815	5.4	0.999985	1.4	0.510351	5.5	0.995556	1.4	0.379971	13.4	0.899951
1.5	0.996214	5.5	0.995194	1.5	0.137010	5.5	0.999985	1.5	0.511351	5.6	0.995356	1.5	0.380371	13.5	0.899951
1.6	0.996314	5.6	0.995194	1.6	0.113205	5.6	0.999985	1.6	0.512351	5.7	0.995156	1.6	0.380771	13.6	0.899951
1.7	0.996414	5.7	0.995194	1.7	0.089400	5.7	0.999985	1.7	0.513351	5.8	0.994956	1.7	0.381171	13.7	0.899951
1.8	0.996514	5.8	0.995194	1.8	0.065595	5.8	0.999985	1.8	0.514351	5.9	0.994756	1.8	0.381571	13.8	0.899951
1.9	0.996614	5.9	0.995194	1.9	0.041790	5.9	0.999985	1.9	0.515351	6.0	0.994556	1.9	0.381971	13.9	0.899951
2.0	0.996714	6.0	0.995194	2.0	0.017985	6.0	0.999985	2.0	0.516351	6.1	0.994356	2.0	0.382371	14.0	0.899951
BINS = 40															
0.0	0.981477	6.1	0.997652	0.0	0.480904	6.1	0.888624	0.0	0.148831	6.2	0.814380	0.0	0.102154	18.0	0.847617
0.1	0.981477	6.2	0.997652	0.1	0.457776	6.2	0.894566	0.1	0.145776	6.3	0.863010	0.1	0.102154	18.1	0.848739
0.2	0.981630	6.3	0.997652	0.2	0.434649	6.3	0.898352	0.2	0.148701	6.4	0.870538	0.2	0.103627	18.2	0.851163
0.3	0.981716	6.4	0.997652	0.3	0.411521	6.4	0.902138	0.3	0.151624	6.5	0.878157	0.3	0.105008	18.3	0.854147
0.4	0.981791	6.5	0.997652	0.4	0.388495	6.5	0.905922	0.4	0.154624	6.6	0.885615	0.4	0.106387	18.4	0.857749
0.5	0.981868	6.6	0.997652	0.5	0.365368	6.6	0.909632	0.5	0.157624	6.7	0.893212	0.5	0.107729	18.5	0.861147
0.6	0.981945	6.7	0.997652	0.6	0.342241	6.7	0.913512	0.6	0.160624	6.8	0.906794	0.6	0.109113	18.6	0.864995
0.7	0.982022	6.8	0.997652	0.7	0.319115	6.8	0.917792	0.7	0.163624	6.9	0.919374	0.7	0.110499	18.7	0.868663
0.8	0.982099	6.9	0.997652	0.8	0.295998	6.9	0.921971	0.8	0.166624	7.0	0.929953	0.8	0.111887	18.8	0.872159
0.9	0.982176	7.0	0.997652	0.9	0.272871	7.0	0.926050	0.9	0.169624	7.1	0.937516	0.9	0.113274	18.9	0.875744
1.0	0.982253	7.1	0.997652	1.0	0.249745	7.1	0.928040	1.0	0.172624	7.2	0.944291	1.0	0.114670	19.0	0.879656
1.1	0.982330	7.2	0.997652	1.1	0.226618	7.2	0.931021	1.1	0.175624	7.3	0.950221	1.1	0.116050	19.1	0.883446
1.2	0.982407	7.3	0.997652	1.2	0.193511	7.3	0.933995	1.2	0.178624	7.4	0.956211	1.2	0.117437	19.2	0.887236
1.3	0.982484	7.4	0.997652	1.3	0.160414	7.4	0.936967	1.3	0.181624	7.5	0.962201	1.3	0.118827	19.3	0.890916
1.4	0.982561	7.5	0.997652	1.4	0.127317	7.5	0.940036	1.4	0.184624	7.6	0.968191	1.4	0.120216	19.4	0.894695
1.5	0.982638	7.6	0.997652	1.5	0.094219	7.6	0.942975	1.5	0.187624	7.7	0.974180	1.5	0.121605	19.5	0.898485
1.6	0.982715	7.7	0.997652	1.6	0.061102	7.7	0.945915	1.6	0.190624	7.8	0.980269	1.6	0.122994	19.6	0.902274
1.7	0.982792	7.8	0.997652	1.7	0.028985	7.8	0.948945	1.7	0.193624	7.9	0.986358	1.7	0.124383	19.7	0.905953
1.8	0.982869	7.9	0.997652	1.8	0.026868	7.9	0.951974	1.8	0.196624	8.0	0.992447	1.8	0.125772	19.8	0.909633
1.9	0.982946	8.0	0.997652	1.9	0.024751	8.0	0.954903	1.9	0.199624	8.1	0.998513	1.9	0.127161	19.9	0.913413
2.0	0.983023	8.1	0.997652	2.0	0.022634	8.1	0.957932	2.0	0.						

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This report provides a relatively comprehensive set of tables describing the steady-state behavior of M/M/c, M/D/c, and D/M/c queueing systems. The results given are the probability distribution of the number of customers in the system (including those being served) and of the waiting time of individual customers in the queue (excluding service time), as well as the expected number of customers in the queue (excluding those being served). The cases considered are $c = 1, 2, \dots, 10$ and $c = 15$ for all three classes of queueing systems, plus $c = 12$ for M/D/c and $c = 20, 25$ for M/M/c. For each case, the results are tabulated for 16 values of the traffic intensity ranging from 0.10 to 0.99. Also included for comparative purposes are the corresponding results for two related cases, D/D₂/2 and M/E₂/2. These data represent one portion of the output from a large-scale project of theoretical research, algorithmic development, and computational effort to generate the obtainable numerical results for various classes of GI/G/c systems.

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